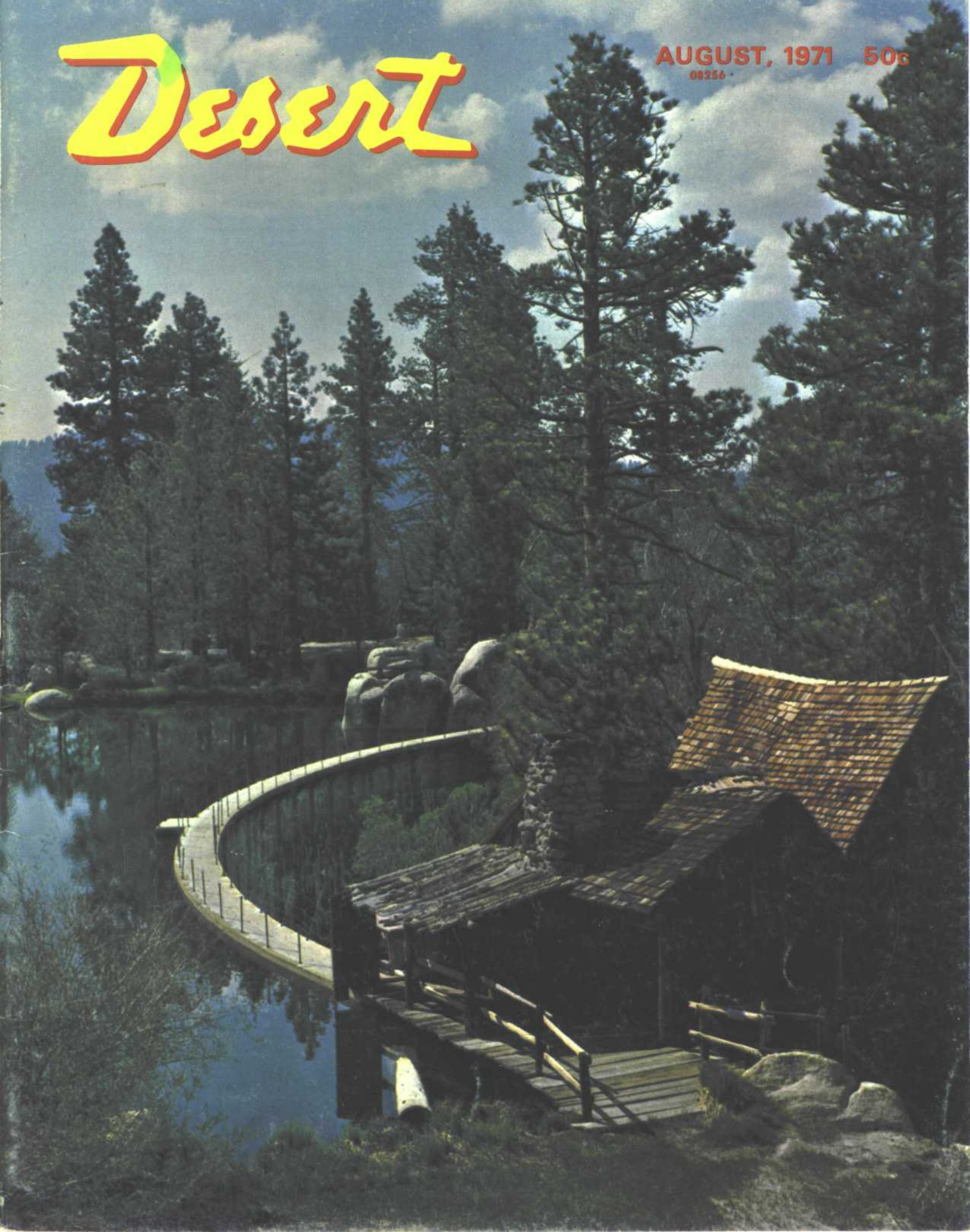


# Desert

AUGUST, 1971 50¢  
00256





# Desert Magazine Book Shop

**CALIFORNIA** by David Muench and Ray Atkeson. Two of the West's greatest color photographers have presented their finest works to create the vibrations of the oceans, lakes, mountains and deserts of California. Their photographic presentations, combined with the moving text of David Toll, makes this a classic in Western Americana. Large 11x14 format, heavy slick paper, hardcover, 200 4-color photographs, 186 pages, \$25.00.

**NATIONAL PARKS OF THE WEST** by The Editors of *Sunset Books*. A pictorial interpretation of the 23 scenic preserves that encompass within their 12 million acres most of the nation's finest mountain and desert scenery. Contains 247 photographs with 32 pages in 4-color, 43 2-color maps, drawings, geological diagrams, history and other informations. Large 9x11 format, heavy slick paper, hardcover, 286 pages \$11.75.

**NORTHWESTERN ARIZONA GHOST TOWNS** by Stanley W. Paher. Directions to and history about 23 of Arizona's most famous ghost towns. Historical photographs and artist sketches enhance editorial content. Large, 11x14 format, slick paperback, 48 pages, \$2.95.

**GREENWATER** by Harold Weight. Called the "monumental swindle of the century" this is the story of the 1906 stampede to the Black Mountains and how \$30,000,000 disappeared. Paperback, historic photos, 34 pages. \$1.00.

**1200 BOTTLES PRICED** by John C. Tibbitts. Updated edition of one of the best of the bottle books, \$4.95.

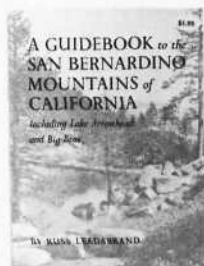
**NEVADA'S TURBULENT YESTERDAYS** by Don Ashbaugh. The best book about Nevada's ghost towns and the rugged individuals who built them. 346 pages, \$7.95.

**LOST MINES OF DEATH VALLEY** by Harold Weight. This is a new approach to the enigma of Death Valley Scotty's life and legends and gives additional insight into the Lost Gunsight and Breyfogle bonanzas, plus other Death Valley mysteries. Paperback, historic photographs, reference material, 86 pages \$2.50.

**TRAVEL GUIDES TO BAJA CALIFORNIA** by Ken and Caroline Bates. Published the Editors of *Sunset Books*, this is a useful book on Baja and should be a companion piece to Gerhard and Gulick's *Lower California Handbook* and Cliff Cross's *Baja by Road, Airplane and Boat*. The Bates' book takes the reader to the people with text, photographs and maps. Anyone going to Baja should have all three books. Large 8x10 format, heavy paperback, 80 pages, \$1.95.

**LET'S GO PROSPECTING** by Edward Arthur. Facts and how-to-do-it on prospecting are presented by the author who has spent 30 years searching for gems and minerals in California. For those who think there are no more valuables left in California, they will find a new field in this informative book. Includes marketing data, maps, potential buyers for discoveries. Large 8x10 format, illustrated, heavy paperback, 84 pages, \$3.95.

**LOST MINES OF THE GREAT SOUTHWEST** by John D. Mitchell. The first of Mitchell's lost mine books is now available after having been out of print for years. Reproduced from the original copy and containing 54 articles based on accounts from people Mitchell interviewed. He spent his entire adult life investigating reports and legends of lost mines and treasures of the Southwest. Hardcover, illustrated, 175 pages, \$7.50.



## A GUIDEBOOK TO THE SAN BERNARDINO MOUNTAINS

By RUSS LEADABRAND

The feature article and cover photograph in this issue is on the San Bernardino Mountains Recreational Area. In a magazine article we can only touch the highlights of an area so vast it is larger than the State of Rhode Island. More travel details and an enlarged history of these Southern California mountains is contained in Russ Leadabrand's popular Guidebook. For history buffs it also has a comprehensive bibliography. Heavy paperback, illustrated with photos and maps, 118 pages.

**\$1.95**

**OVERLAND STAGE TO CALIFORNIA AND THE PONY EXPRESS** by Frank A. Root. A first-hand account of a mail agent who lived and fought with the men who settled the West through their efforts to establish communication across the wilderness during the 1800's. First published in 1901 and just republished. Heavy stock and hardcover, original artist illustrations, two 1800 maps, 645 pages, this is a book for history buffs, \$15.00.

**RHYOLITE** by Harold Weight. Tales of Shorty Harris, Ernest Cross, Bob Montgomery, M. M. Beaty and the men and women who established the famous mining town near Death Valley. Paperback, historic photos, 40 pages. \$1.00.

**SPEAKING OF INDIANS** by Bernice Johnston. An authority on the Indians of the Southwest, the author has presented a concise well-written book on the customs, history, crafts, ceremonies and what the American Indian has contributed to the white man's civilization. A MUST for both students and travelers touring the Indian Country. Heavy paperback, 10x7 format, illustrated, 112 pages, \$2.50.

## WHEN ORDERING BOOKS PLEASE

Add 50 cents PER ORDER  
(Not Each Book)

for handling and mailing

**CALIFORNIA RESIDENTS ALSO  
ADD 5 PERCENT SALES TAX**

Send check or money order to Desert Magazine Book Shop, Palm Desert, California 92260. Sorry, but we cannot accept charges or C.O.D. orders.

**MOCKEL'S DESERT FLOWER BOOK** by Henry and Beverly Mockel. The well-known painter of desert wildflowers has combined his four-color sketches and black and white photographs to describe in detail so the layman can easily identify wildflowers, both large and small. Microscopic detail makes this an outstanding book for identification. Special compressed fiber paper which will not stain. 54 full-color illustrations with 72 life-size drawings and 39 photographs, 316 pages, \$5.95.

**PALM CANYONS OF BAJA CALIFORNIA** by Randall Henderson. The beautiful palm canyons and isolated areas of Baja California are described by the late Randall Henderson, founder of *DESERT Magazine*. Although these are his personal adventures many years ago, little has changed and his vivid writing is alive today as it was when he first saw the oases. Paperback, illustrated, 72 pages, \$1.95.

**LOST MINES & BURIED TREASURES ALONG THE OLD FRONTIER** by John D. Mitchell. The second of Mitchell's books on lost mines which was out-of-print for many years is available again. Many of these appeared in *DESERT Magazine* years ago and these issues are no longer available. New readers will want to read these. Contains the original map first published with the book and one pinpointing the areas of lost mines. Mitchell's personal research and investigation has gone into the book. Hardcover, 240 pages, \$7.50.

**THE MYSTERIOUS WEST** by Brad Williams and Choral Pepper. Rare book examines legends that cannot be proven true, nor untrue. New evidence presented in many cases which may change the history of the West. Hardcover, \$6.95.

**INYO MONO JEEP TRAILS** by Roger Mitchell. Author of *DEATH VALLEY JEEP TRAILS*, veteran explorer Mitchell takes you on 18 different 4-wheel-drive trips into the Sierra Nevada Mountains, where he explores ghost towns, Indian territory and scenic canyons and mountain passes. Paperback, 36 pages, illust., \$1.00.

**DUTCH OVEN COOKBOOK** by Don Holm. Wildlife editor of the Portland Oregonian, the author has spent his life exploring and writing about the outdoors, so his recipes for preparing food in a Dutch Oven come from experience. If you haven't had food cooked in a Dutch Oven, you haven't lived . . . and if you have you will find these recipes new and exciting culinary adventures—as well as his style of writing. Heavy paperback, 106 pages, \$3.95.

**LOST DESERT BONANZAS** by Eugene Conrotto. Brief resumes of lost mine articles printed in back issues of *DESERT Magazine*, by a former editor. Hardcover, 278 pages, \$7.00.

**A FIELD GUIDE TO WESTERN BIRDS** by Roger Tory Peterson. The standard book for field identification sponsored by the National Audubon Society. 2nd edition, enlarged with new section on Hawaiian birds. 658 in full color. Hardcover, \$5.95.

**HAPPY WANDERER TRIPS** by Slim Barnard. Well-known TV stars Henrietta and Slim Barnard have put together a selection of 52 of their trips through California taken from their Happy Wanderer travel shows. Has excellent maps, history, costs of gasoline consumption, lodging, meals plus what to wear and best time to make trips. Can't be beat for families planning weekend excursions. Paperback, large format, 150 pages, \$2.95.

**FOR COMPLETE BOOK CATALOG WRITE TO DESERT MAGAZINE, PALM DESERT, CALIFORNIA 92260**

WILLIAM KNYVETT, PUBLISHER  
JACK PEPPER, EDITOR

MARY FRANCES STRONG, *Field Trip Editor*  
GLENN VARGAS, *Lapidary Editor*  
K. L. BOYNTON, *Naturalist*  
JACK DELANEY, *Staff Writer*



Volume 34, Number 8      AUGUST, 1971

## CONTENTS

### FEATURES

- |                               |    |                     |
|-------------------------------|----|---------------------|
| THE ARTFUL ARMADILLO          | 6  | K. L. Boynton       |
| MUTED MILLS OF COMO           | 10 | Carl Briggs         |
| JERKY—FOOD FOR THE TRAIL      | 14 | Pete Tisher         |
| RUINS OF THE HOHOKAM INDIANS  | 16 | Jack Delaney        |
| MILTON SHARP—GENTLEMAN BANDIT | 20 | Craig MacDonald     |
| SUMMER TIME IS MOUNTAIN TIME! | 22 | Jack Pepper         |
| RIDING THE RAILS TO STEDMAN   | 26 | Mary Frances Strong |
| UTAH LOOP TRIP                | 30 | Enid C. Howard      |

### DEPARTMENTS

- |                                |    |                         |
|--------------------------------|----|-------------------------|
| A PEEK IN THE PUBLISHER'S POKE | 4  | William Knyvett         |
| BOOK REVIEWS                   | 5  | Jack Pepper             |
| CALENDAR OF WESTERN EVENTS     | 21 | Club Activities         |
| DESERT LIFE                    | 33 | Hans Baerwald           |
| RAMBLING ON ROCKS              | 38 | Glenn and Martha Vargas |
| NEW PRODUCTS                   | 42 | Items of Interest       |
| LETTERS TO THE EDITOR          | 43 | Reader's Comments       |



#### THE COVER:

One of the dozens of lakes and picturesque settings in the San Bernardino Mountains in Southern California is Cedar Lake in the Big Bear Lake Valley area. It is open to the public for picnicking and viewing of the western movie sets which have been used in many motion pictures. Photo by Jack Pepper.

ELTA SHIVELY, *Executive Secretary*

MARVEL BARRETT, *Circulation Manager*

EDITORIAL, CIRCULATION AND ADVERTISING OFFICES: 74-109 Larrea St., Palm Desert, California 92260. Telephone Area Code 714 346-8144. Listed in Standard Rate and Data. SUBSCRIPTION RATES: United States, Canada and Mexico; 1 year, \$5.00; 2 years, \$9.50; 3 years \$13.00. Other foreign subscribers add \$1.00 U.S. currency for each year. See Subscription Order Form in this issue. Allow five weeks for change of address and send both new and old addresses with zip codes. DESERT Magazine is published monthly. Second class postage paid at Palm Desert, California and at additional mailing offices under Act of March 3, 1879. Contents copyrighted 1971 by DESERT Magazine and permission to reproduce any or all contents must be secured in writing. Unsolicited manuscripts and photographs WILL NOT BE RETURNED unless accompanied by a self-addressed and stamped envelope.

# P.D.Q.

THE MOST VERSATILE UNIT  
ON THE MARKET TODAY!

## P.D.Q. Gem Drill Accessories



### AS A DRILL

Basic unit. Drills clean holes faster. Comes with motor, chuck, foot rheostat, drill pan and drilling template. Booklet of operating instructions included.  
Nickle Plated ..... \$42.50

(Does not include price of diamond drill point.)

### DIAMOND DRILL POINTS

Good drill points are necessary with any drill press. Two styles are listed below. The solid style has a drilling point composed of a special alloy and diamond bort. This type of drill is delicate and needs care in its use. However, with care, the solid type is much longer lived and will drill more holes per dollar. The hollow core style drill has a hollow steel tip which is coated with diamonds by a special process. This style drill, drills very fast and is less delicate and can be used by the beginner with good success. We do recommend this type drill for beginners and for extra fast drilling in Opal, Obsidian, etc.

### No. 14 2MM Hollow core

diamond drill point ..... \$5.50 Each

### The New "WHIZ-Z-Z Sintered Diamond Drills

| No. | Point Size | Shank Size | Price Each |
|-----|------------|------------|------------|
| 89  | 1.00 mm    | 1.00 mm    | \$5.50     |
| 90  | 1.50 mm    | 1.50 mm    | 5.00       |
| 91  | 2.00 mm    | 2.00 mm    | 5.50       |
| 92  | 2.50 mm    | 3/16 inch  | 6.00       |
| 93  | 3.00 mm    | 3/16 inch  | 7.00       |
| 94  | 3.50 mm    | 1/8 inch   | 8.00       |
| 95  | 4.00 mm    | 1/8 inch   | 9.00       |

Prices on request for larger drills  
up to 8 mm

## SHIPLEY'S MINERAL HOUSE

On Hwy. 160 in southwest Colorado, 18 miles  
east of Durango or 1 1/2 miles west of Bayfield.

Mailing Address:

SHIPLEY'S MINERAL HOUSE, Gem Village,  
Bayfield D, Colorado 81122  
Phone: 303-884-2632

LOTTIE M. SHIPLEY

Postage charges not included



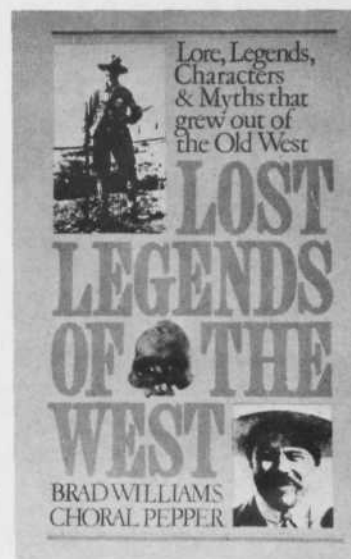
# A Peek in the Publisher's Poke

**T**HIS SUMMER seems to be slipping by at an alarming rate and the continuing drought in the Southwest has left slim pickings for wildlife. There has been a noticeable absence of the round tail ground squirrel, lizards of all types, snakes and scorpions. The feathered friends of the desert seem to be faring a bit better with plenty of quail, dove and our old friend, the roadrunner, being sighted. I was discussing this matter with a friend who *always* summers at the beach and he said it was his opinion that the lower deserts during the summer were for the birds!

This month features Summer Time is Mountain Time! which is not a bad way to go if the mountains happen to be the San Bernardino Mountains. A great area to "cool it" and reflect on beautiful fall weather which is just around the corner.

With the demise of summer we shall return to desert features and have many interesting articles on tap. Speaking of interesting articles, K. L. Boynton has come up with a dandy in *The Artful Armadillo* on page 6. All desert lovers will enjoy learning about this creature and how he makes his way in the world.

# Are the legends of the West fact or fiction?



By Brad Williams and  
Choral Pepper

Did the United States Government really steal Pancho Villa's head two and a half years after his burial? Where does the North American "Bigfoot" roam? In this book, a sequel to the author's popular *The Mysterious West*, Brad Williams and Choral Pepper examine many little-known stories and legends of the American West. Here the reader will find a variety of fantastically conceived hoaxes along with new factual evidence to support the validity of stories formerly assumed to be tales.

The story behind California's lost Cherokee diamond mine, the lost secrets of Charles Hatfield—super rainmaker, who twice nearly washed San Diego off the map, the lost site of the Calaveras skull, and the mystery of the Port Oxford meteorite are but a few of the phenomena discussed.

Hardcover, illustrated, 192 pages

**\$5.95**

Send check or money order to

DESERT MAGAZINE BOOK SHOP  
Palm Desert, California 92260

Add 50c for postage and handling

California residents please add 30 cents  
sales tax.



# Book Reviews

by Jack Pepper



**WEST  
OF DAWN**  
By  
Hugh  
d'Autremont

If it weren't for the fact the author is a reputable California engineering executive, a retired Army lieutenant colonel who served in World War II, and the father of two grown sons, I would have thought this book was the creation of an imaginative writer of Western fiction.

Which proves the old adage that sometimes "truth is stranger than fiction." The author's account of his life as a young man devoted to searching for adventure and treasure reads like fiction—which is probably true in some cases since his dialogue is too detailed to have been remembered over a period of years.

However, the fact remains he did have these adventures and did travel into remote areas throughout Southern California and Mexico during the Depression Years of the 1930s. His adventures started when he placed an ad in the *Los Angeles Times* which read: Young man, 21, has \$300. Will go anywhere and do anything."

And that is what the author did as he went into Arizona's Superstition Mountains with Barry Storm looking for the Lost Dutchman Mine, learned to hard-rock mine in Southern California and prospected for gold in Mexico's rugged Sierra Madre Mountains where his partner threatened to murder him for the "gold dust" they accumulated.

In my opinion, this book is half fiction and half truth, but I had a vicarious thrill in reading about the adventures of a man who, in his younger years, decided "my world would be one of action . . . fortune must be achieved at a high personal risk . . ." Sometimes truth is stranger than fiction. Hardcover, 187 pages, \$5.00.



**GHOST  
TOWNS  
OF THE  
NORTHWEST**  
By  
Norman D.  
Weis

The ghost-town country of the Pacific Northwest, including trips to many little-known areas, is explored by the author in this new book which is a first-hand account of his travels into the back country of Oregon, Washington, Idaho, Wyoming and Montana.

In writing of known ghost towns, the author has searched out new information, explored new angles, or visited with an old-timer for an offbeat story. In describing the unknown areas, he explains the method of location, the map search and the difficulties in getting to the actual site.

The approach is that of a photographer with a sense of humor who appreciates beauty and delights in a good story. He recounts many of his mistakes. A short history of each town is included. Where the old-timers' stories disagree with history, both sides are told and thus the reader can make his own determination.

The book is sprinkled with amusing interviews and anecdotes, plus the author's personal observations of the ghost towns which, with the factual and historical presentation, make this the best book to date on ghost towns of the northwest—whether for the back country enthusiast looking for new country to explore or the armchair traveler.

And for the photographer, the illustrations will provide a new insight in how to capture the moods and lighting of ghost towns in black and white exposures. Hardcover, maps, beautifully illustrated, heavy slick paper, 319 pages, \$6.95.

## Attention Bottle and Relic Collectors

The books listed below are among the most popular books available on bottles & relics. Our books all contain price guides.

**"BOTTLES & RELICS"**—155 pages of bottles, guns, Indian relics, lamps, jars, insulators, Jim Beams, and all kinds of relics. 33 pages in full color. \$5.00 per copy plus 25c postage & handling. Also available in deluxe hardbound at \$7.50. Makes an ideal gift.

**"ANTIQUE BOTTLES"**—This beautiful book is loaded with sharp photos of which 12 are in full color. All bottles are priced. This book tells where to look, what to look for, how to clean, how and where to sell and much more. Only \$3.50 plus 25c postage and handling.

**"TOBACCO TINS"**—This book is loaded with sharp photos of Tobacco Tins of all kinds, and they're all priced. There are 20 pages in full color. Tin container collecting is coming on strong, so get your price guide now. Only \$3.75 plus 25c postage & handling.

**"POCKET FIELD GUIDE FOR THE BOTTLE DIGGER"**—This compact little book is designed to go on that bottle dig with you. Ideal for on the spot identification and pricing. Only \$2.00 plus 25c postage & handling.

Order from:

**Old Bottle Collecting Publications**

P.O. Box 276, Dept. D  
ASHLAND, OREGON 97520

YOU'LL BE GLAD YOU DID!  
DEALERS INQUIRIES INVITED



**THE SPARKLE TUMBLER**

HOLDS 3 LBS. OF GEM MATERIAL

**FOR ONLY \$11<sup>50</sup>**

PLUS POSTAGE

**GORDON'S ALL-NEW  
1971 CATALOG**

IS NOW AVAILABLE. OVER 250 PAGES  
OF MOUNTINGS, TOOLS AND SUPPLIES.

A MUST FOR NEW ROCKHOUNDS

\$1.00, REFUNDABLE

WITH ANY \$7.50 ORDER.

**FREE! FREE!**

For DESERT Magazine Readers

GORDON'S GEM SHOPPER

**Gordon's**

1741 CHERRY AVE  
LONG BEACH, CALIF. 90804  
P.O. BOX 4073D

# The Artful

**O**LD *Dasypus novemcinctus*, the armadillo who ornaments the Texas scenery today, is a relic of the good old days when the world was young. Shuffling about his business as scavenger and insect catcher, he is still a very primitive animal, little changed from the model in vogue a million years ago. Yet he continues to flourish and even to expand his range, in spite of his physi-

cal shortcomings and in the face of very unfavorable climatic conditions and human opposition.

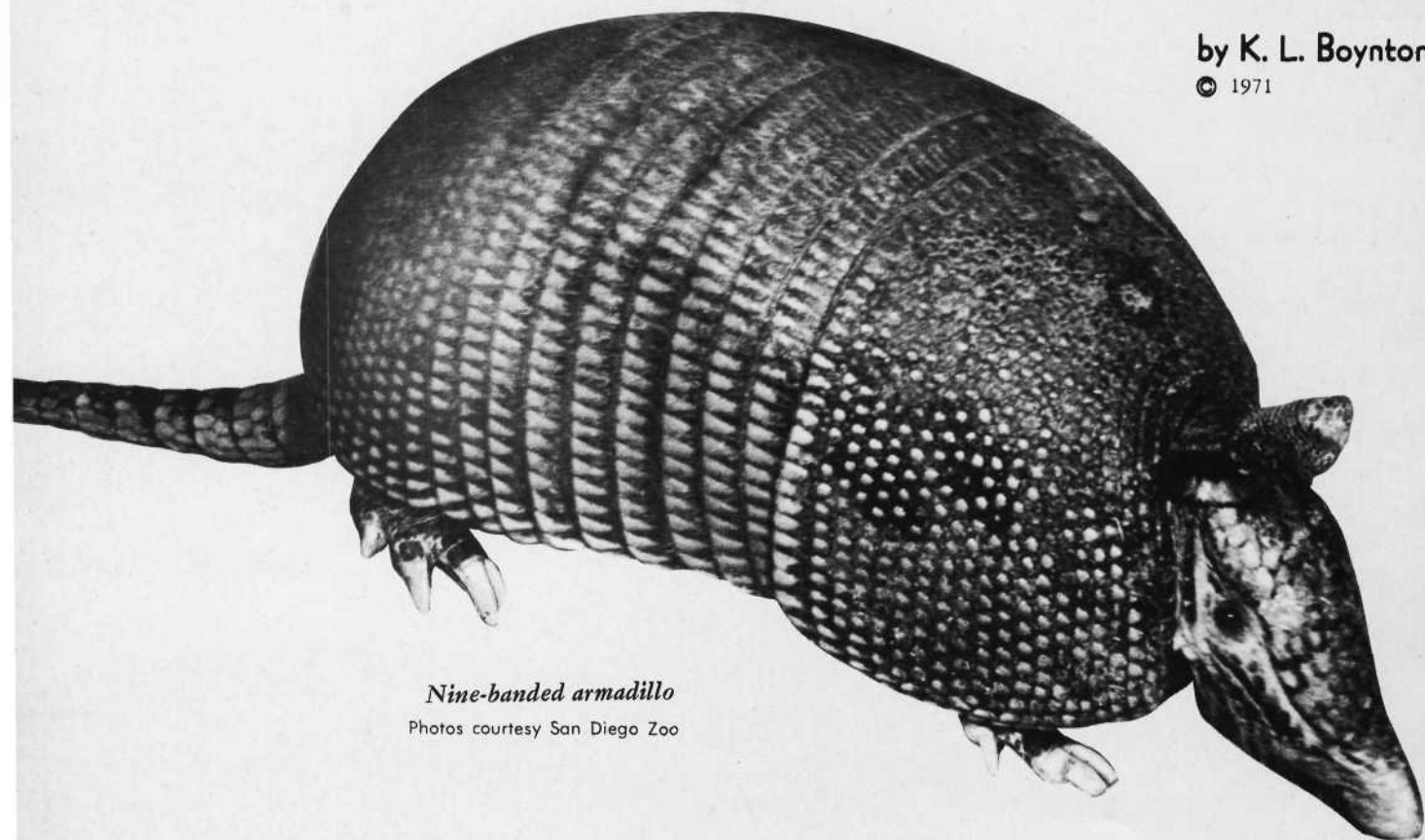
Originating in South America, the armadillo clan is a very old one. Travel seems to be a characteristic, for his ancient relatives, the **Glyptodonts**, were among the early immigrants into North America, crossing the land bridge heaved up some 15 million years ago by movements of

the earth's crust. They tramped about the new land, some of them as big as rhinos. Their heads were covered by thick helmets of bone, their body armor made of an immovable bony plate, sculptured in fancy patterns. Some of their armored tails had spiked clubs at the end.

Puny compared to these extinct relatives, today's cat-sized armadillo is still encased in bony armor—a

by K. L. Boynton

© 1971



*Nine-banded armadillo*

Photos courtesy San Diego Zoo



# Armadillo

fact that makes him unique among mammals, the turtle of course being a reptile. His neat coat of mail is a great improvement for it is light weight and made in sections. One big shield, composed of many small plates of bone, covers the front of his body; a similiar one fits over his posterior. The space between is protected by a series of nine bands of bone, held together by skin and mounted on a flexible base. Thanks to this movable midrift section, today's armadillo can curl up into a ball, bringing his soft underparts into his suit of armor. The top of his head, front of face and ears remaining outside have their own plates of bone, and his tail its protective rings. Topping the entire coat of mail from tip to tail is a covering of horny scales with, as a final artistic touch, an occasional hair growing out here and there between them.

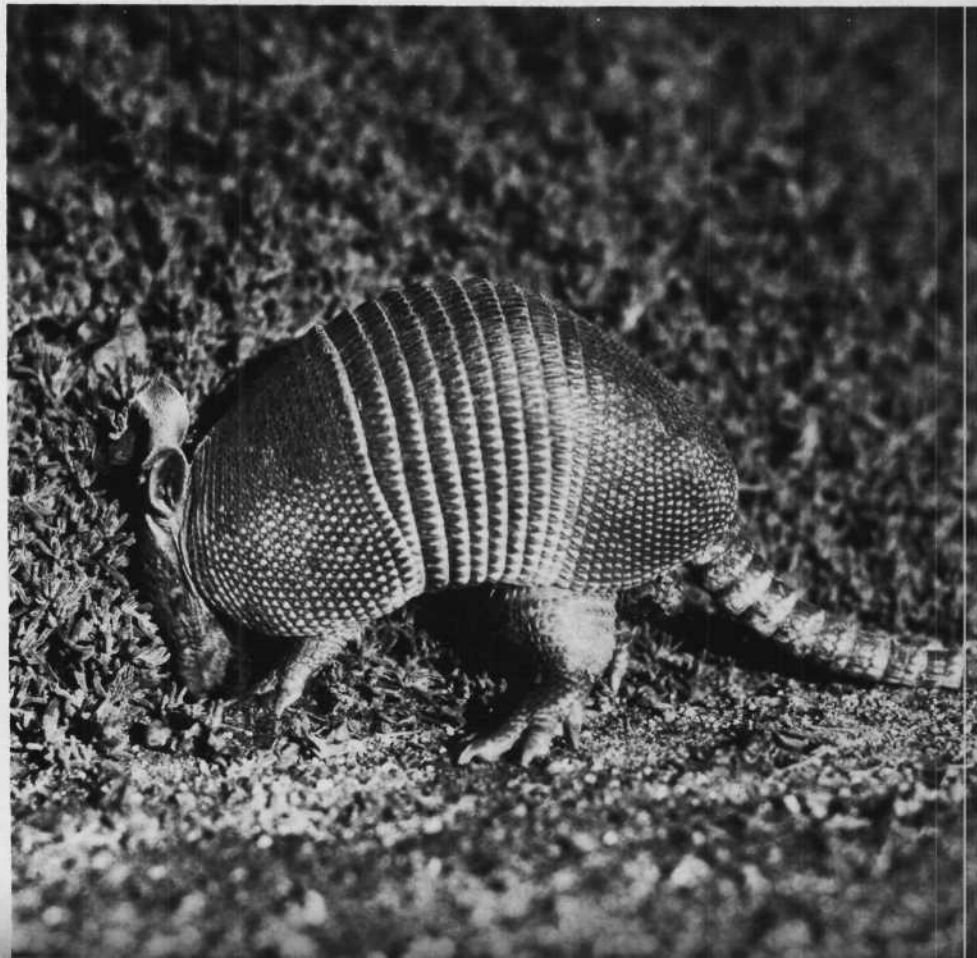
Donkey eared, long of snout, weak of eye and no intellectual, the armadillo is nevertheless viewed with esteem by scientists both for his long evolutionary success and for his survival technique applied today for his further invasion of new habitats. Some surprising data have come to light in investigations over the years and in current work.

Not the least among them is the fact that armadillos arrive in this world in squads of four to a single batch. All four youngsters are always of the same sex. All four are always exactly alike—identical in scale detail and even in the number of hairs on their bellies. Known as "specific polyembryony" this situation occurs because four individuals are produced from a single fertilized egg which very early divides into four embryos. Thus each set of young consists of identical quadruplets.

Biologist Taber, fascinated with these odd-ball creatures, put in quite a time observing them both in the laboratory and in the wild, and came to the conclusion that DEN should be their middle name. Four household dens per individual is only a beginning with many others dug for pop-in escape, and he found that these iron-clad creatures had digging techniques down pat. The long nose and tough forefeet go at soil loosening, pushing, packing it into a small pile under the belly. At this point the armadillo balances up on his forefeet and tail, gets his two hind feet into position on the pile, arches his back, and gives a mighty kick. The pile sails through the air to land several feet from the den en-

trance, and the digger goes at it again. So fast is this champion digger that a captive timed when at it, completely buried himself in two minutes in soil so dry and hard Taber himself had to use a pick to break into it.

Naturally enough, such prowess calls for special equipment, and anatomist Miles in his careful dissection found that the armadillo's shoulder and forelimb anatomy is designed from start to finish for digging action. There is unusual ease of movement in its set up. The shoulder girdle itself is massive and reinforced to withstand great muscular pulling action when the clawed hand is dug in, and yanked back raking the hard packed earth with it.



Auxiliary Gas Tanks



AMERICA'S LARGEST OFF-ROAD VEHICLE ACCESSORY HEADQUARTERS

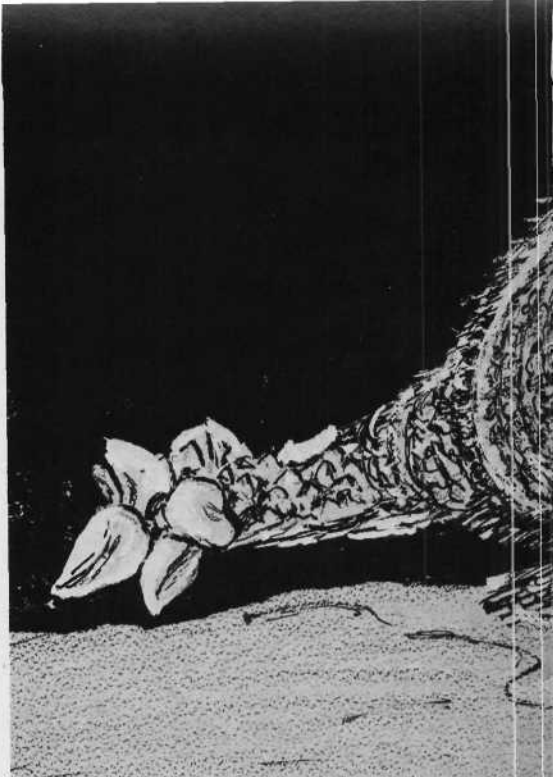
**4-Wheel Drive & Dune Buggy ENTHUSIAST 1971 CATALOG**  
100's of items for dune buggy and 4WD Vehicles  
Send \$1.00 for catalog and decal

300 N. Victory Blvd., Burbank, Calif., 91502

*Glytodonts, armored armadillo-like mammals, came from South America some ten million years ago and roamed the Southwest. Some were twelve feet long and five feet high.*

Home range for armadillo females is about eight and a half acres; about 12 acres for the males. Their dens are of first importance to their survival in desert conditions as they remain in them during the heat of the day. The holes also make fine insect traps, camel crickets by the quarts being hauled out of one by Clark in his investigations. Resting adult mosquitos, mites, spiders (among them black widows) and many different kinds of beetles are also present. All of these serve as handy snacks for the armadillo while he himself is in residence, for above all he is a great fancier of such delicacies.

Foraging for insect food outside involves both nose and claw work. If the ground is sandy and fairly workable, the sensitive nose can handle the job alone in a kind of high class rooting. If dry and hard, digging must be done. The armadillo wanders about pushing into ground debris, rearing up on his hind legs



to reach caterpillars on bushes. A great devourer of insects of all kinds, he is really a very fine fellow, tests proving that no less than 77 percent of his diet and often 90 percent being such. He is also a very good garbage collector, dining on dead animal matter which has to be ripe enough to tear apart easily since, alas, the armadillo was sadly short-changed when teeth were being handed out.

He has none at all in the front of his mouth, no canines, and cannot bite. He has only molars—very simple peglike jobs with no enamel. They cannot grind vegetation. So, with dentures like these his choice of food is limited. He does have one great piece of equipment: his extra long, extra flexible and very sticky tongue. Getting his nose into an ant hill takes only a bit of claw work, and then the inhabitants are snatched up by the hundreds, eggs, larvae and all, caught in sweeps of the sticky tongue. Even fire ants are devoured, an act of considerable value to quail chicks who are so often attacked by these ferocious insects.

Pushing and shoving through thorn thickets and cactus clumps the armadillo leaves a conspicuous trail with his dragging tail, and this is why he is blamed often unjustly for quail nest destruction. The damage, done by another predator, actually



**STOP THAT THIEF WITH LOCKSTRAP**

A revolutionary new design secures all G.I. cans to itself. Needs no carrier. Locks your filler cap. All steel construction, bright zinc plated.

Type C Only **\$10.00**

PLUS POSTAGE, 4 LBS.

DEALER INQUIRIES INVITED. Send for FREE Brochure Showing Other Models to Fit Any Vehicle.

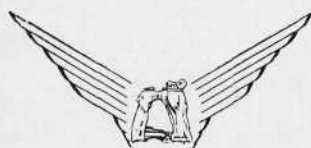
1141 Wiltsey Rd. S.E., Salem, OR 97302

Dick Smith invites you . . .

*Come Fly with me!*

See Canyonlands from the air! Majestic pinnacles, red rock canyons and arches. Truly a scenic wonderland.

Several flights to choose from in addition to flights over Monument Valley, Lake Powell, and Rainbow Bridge. Combination land-air and Lake Powell-air tours available. Write today for a brochure.



**Canyonlands Aviation**

AT CANYONLANDS RESORT—EAST ENTRANCE TO CANYONLANDS NATIONAL PARK  
WRITE: P.O. BOX 246, MOAB, UTAH 84532 AREA CODE (801) JL71176





took place long before he came poking around for insects. Kalmbach's study showed that only two of 95 quail nests were known definitely to have been destroyed by armadillos and only seven just possibly so, making at worst a very doubtful 10 percent.

The armadillo drinks if there is free water, but can go as long as a month on the moisture secured from insects alone. While heat does not bother him too much, prolonged dry spells do for then the insects disappear. He cannot aestivate and sit out this period, and hence cannot penetrate too deeply into the desert. Cold bothers him, for his bony armor with its few short hairs is no protection, and long sub-freezing temperatures prevent him from getting out and foraging. His style is definitely cramped since he cannot hibernate. Hence cold weather puts a stopper on his northward march, or moving into high altitude habitats.

There does seem to be a kind of layover period for, although mating takes place in July or August, the embryos do not start to form until 14 weeks later. The normal gestation is 120 days, which brings armadillo birthdays in February, March or April. This is most favorable, for desert plants are blooming and are loaded with insects.

The foursome arrives open-eyed and ready to go. They look like miniature adults except that their covering is only leathery and will not harden completely until they are well grown. It is not known how long they are suckled, but long before being weaned, they trail along after their mother learning the ropes of insect foraging. What with his physical drawbacks of a tooth set up that can handle only certain types of food, and his inability to stand prolonged cold and prolonged dryness, it would seem that the armadillo clan's travels have finally come to the end of the line.

But scientists, viewing his long evolutionary success whereby he adapted to changing conditions and new habitats without doing much changing himself, are watching with interest as he pushes further into the arid Southwest. They figure that just maybe this artful old relic has a few tricks tucked up into his armor somewhere yet and that he's just the fellow to use them. ☐



## For the REST of your life!

Relax and enjoy . . . where everything is going for you . . . the climate, hundreds of hot mineral pools in modern motels, hideaways and great people . . . all eager to please. Come for a day, week, month . . . or the rest of your life. Write for free brochures: **Chamber of Commerce, Dept. D, Desert Hot Springs, California 92240.**

**Directions:** On Interstate 10, near Palm Springs, go north on one of three turn-offs to Desert Hot Springs.

"Spa City"  
**Desert Hot Springs**  
CALIFORNIA

# FREE

# 1971

# 140

# PAGE

# CATALOG

ANNUAL CATALOG NO. 688

|                 |         |
|-----------------|---------|
| BOOKS           | 6-73    |
| DETECTION       | 78-81   |
| ESTWING         | 114     |
| FISHER          | 82-88   |
| GEO-FINDER      | 90-99   |
| GOLDKAK         | 100-103 |
| MAPS            | 74-75   |
| ORDERING INFO.  | 118-127 |
| PRECISION       | 104-105 |
| RAYSCOPE        | 106-109 |
| RAYTECH         | 110     |
| RENTALS         | 115     |
| ULTRA-VIOLET    | 111     |
| USED EQUIPMENT  | 112-113 |
| WOODEN NICKEL'S | 118-117 |

**GENERAL ELECTRONIC DETECTION CO.**  
16238 Lakewood Blvd. Bellflower, California 90706  
Phone (213) 633-5330

## GENERAL ELECTRONIC DETECTION CO.

16238 Lakewood Blvd.

Bellflower, California 90706



CHALMERS & WILLIAMS  
ENGINEERS CHICAGO



# Muted Mills of Como

A Nevada Ghost Town

by Carl Briggs

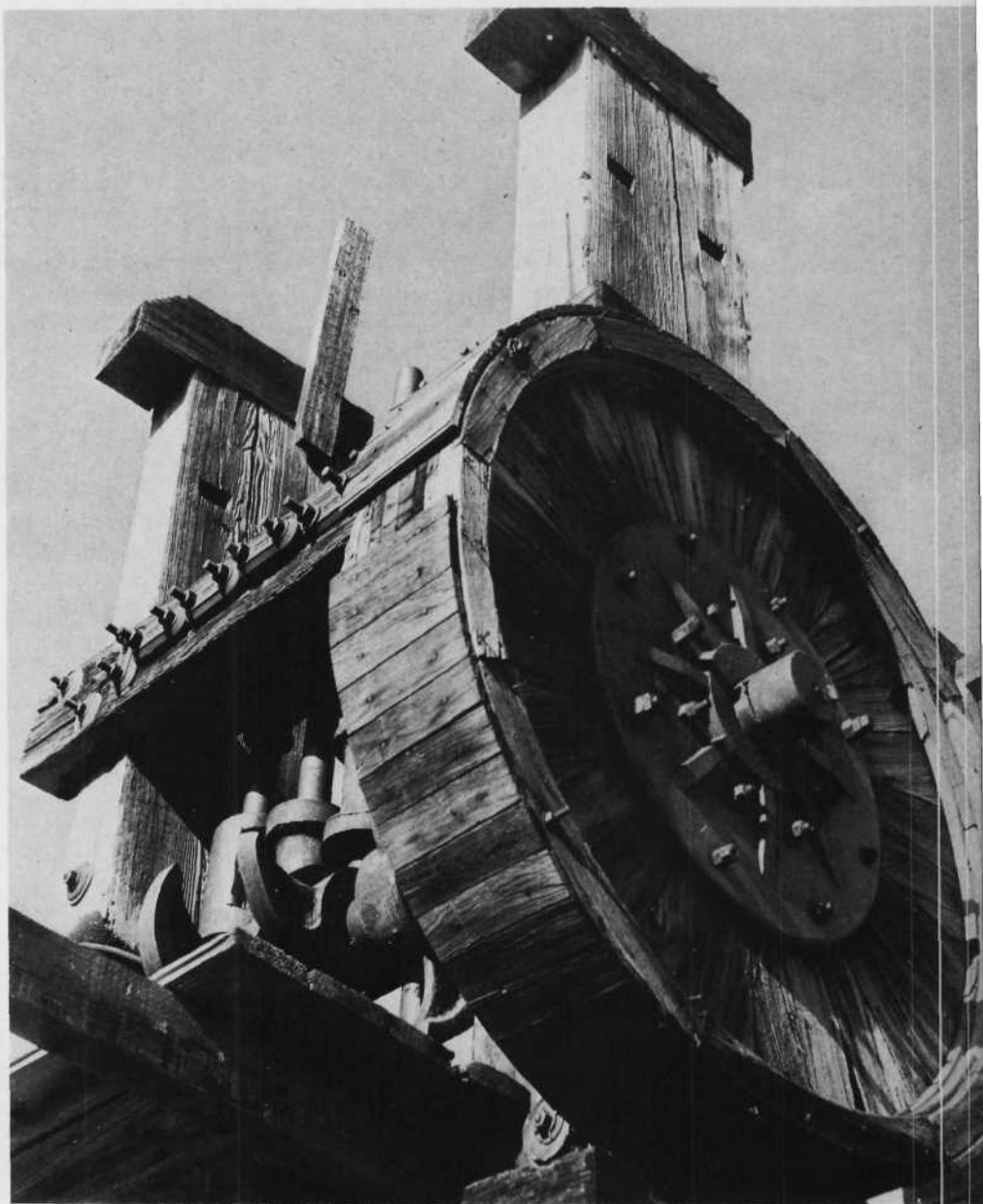
**T**HE DESERTED mining town of Como, Nevada, is situated high in the wild Pine Nut Mountains, eleven miles southeast of Dayton and about eighteen miles due east of Carson City.

The several years immediately following discovery of rich ore at Virginia City were eventful ones for Nevada. As miners deserted California and headed for the Comstock they found every square foot of land staked and claimed. They journeyed outward from there into other mountain ranges and, finding other outcroppings of rich ore, they established new towns, counties and mining districts.

Como was established in 1863 during the gold excitement in Palmyra District and was the first county seat of Lyon County, boasting at one time a population of 700.

The Pine Nut range is a 35-mile spine, covered with pinyon pines and rising to over 9,000 feet elevation. The mountains are bordered on all sides by fertile, irrigated lands—Carson, Mason and Smith Valleys, and the Carson River bottom lands between Dayton and Fort Churchill—yet remain nearly as lonely and isolated today as they were before the advent of white men. Perhaps more so. Indians used to live in the Pine Nuts, but they, too, are gone.

Como, consisting of stone ruins, tumble down shacks, bleached tailing piles, remains of old mills, and massive head-frames standing gaunt against the desert sky, lies in a high, wind-whipped desert pass between 8,543-foot Rawe Peak and 8,763-foot Lyon Peak. In addition to abandoned mines and ghost ruins of the old town, the region also contains Indian caves and petroglyphs.



*Mills that once stamped out Nevada's wealth (opposite page) today are muted and stand like silent sentinels . . . and the sturdy wheels of the wagon trains, railroads and stamp mills (above) have been replaced by the fickle wheels of the Nevada gambling casinos.*

# OFF ROAD EQUIPMENT CATALOG

Cepek '71.

**FREE**

FOR DUNE BUGGY OWNERS  
4 WHEEL DRIVE ENTHUSIASTS  
CAMPERS-HUNTERS-FISHERMEN  
68 Pages of goodies - Priced Right!

**ARMSTRONG NORSEMAN** DATA PROVEN  
4 Ply 10.1" Wide 29.5" O.D.  
2 Tires & 9" Wide Wheels \$98.95  
FED. EXCISE TAX INCLUDED. WE SHIP ANYWHERE!

**DICK CEPEK** (213) 569-1675  
P.O. BOX 1181 9201 CALIFORNIA AVE.  
SOUTH GATE, CALIFORNIA 90280



Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
FOREIGN ORDERS \$1 NO ZIP-NO FREE CATALOG



Franklin Commemorative Mint Coin  
Available in Silver or Bronze

**GALLUP, New Mexico**  
IN COOL DESERT COUNTRY

An unforgettable journey into ancient Indian Cultures. One you and your children will always cherish.

DANCES • CRAFTS • SPORTS • RODEO • PARADES

Ticket Information/Housing WRITE:  
CEREMONIAL ASSOCIATION  
Box 1029 Gallup, New Mexico 87301

**AUGUST 12-15**

GIVE

*Desert*

Subscriptions as Gifts



**Hilton Creek LODGE**

NEL and WAYNE BRUECKNER

## A Year 'Round Sportsman's Paradise

In the heart of the High Sierras. Unexcelled ski areas nearby. Water ski on Crowley Lake. Lodge with first-class accommodations, dining room, cocktail lounge, overlooking Crowley Lake.

Reservations: (714) 935-4315 Rte. 3, Box 148D Bishop, Calif.

Como gained a measure of fame in 1864 when its citizenry cast 200 votes for Lincoln and no votes for McClellan. To tally the 200 votes, a sick miner was taken from his bed and carried to the polling place. It was said the man died before he had a chance to mark his ballot, but others swore he lived long enough for that and died immediately after casting his vote for Lincoln.

Como's first mill, a steam driven contraption called "The Solomon Davis," arrived with much fanfare in 1863. It had served for a number of years on the Mother Lode in California and then on the Carson River at Dayton. It arrived at Como on huge freight wagons and was escorted by a parade which included a band composed of fife, drum, cymbals and cornet. The mill failed to function profitably, however, and in 1865 was packed up and hauled back down the mountain.

Como's first newspaper was the *Sentinel*, referred to as a lively, hopeful sheet, with no doubt whatever of the ultimate success of everything connected with Como. The paper was started by T. W. Abraham in March 1864, and his arrival too was met by a brass band in full force, playing "Yankee Doodle" and "Hail, Columbia."

Inhabitants swore the region was so healthy a man would have to move away to die, and indeed the first death there, in 1863, was labeled a suicide. Citizens decided the remarkable event was deserving of appropriate ceremony and they dealt with it accordingly. Sawed lumber was nonexistent on the mountain, but the miners located an old wagon bed that had been used as a pigpen, stained it with ox blood, polished it to a high

gloss, and accorded the deceased a first class funeral.

One day in 1864, Paiute Chief Numaga asked mine owners to stop cutting the pinyon pines from which his people harvested nuts, an essential food supply. The companies ignored the plea. That same day several more than the usual number of Indians appeared and an alarm was sent to Fort Churchill. The miners feared an Indian attack and the camp was placed under military command.

During the night two miners approached along the road from Dayton and were fired upon. Barrage after barrage was fired by edgy residents and soldiers, bullets whizzing and ricocheting down the canyon toward the two miners.

By dawn, troopers and miners had fired nearly all their ammunition and came out to count dead Indians. At that moment Chief Numaga sauntered into camp to learn what all the shooting was about, much to the chagrin of all concerned.

Something less than \$1,000,000 in gold and silver was taken from Como and







*Even stone returns to earth  
as the early pioneers' monuments  
succumb to the destruction of  
nature and modern man.  
This may have been Como's  
courthouse.*

breast. The marker is gone, and Truckee's resting place is lost in time.

Sands borne on desert winds are fast eroding the last standing walls of Como. This is wild and beautiful country and perhaps will always remain that way. Como is worth seeing if only to observe how temporary are the marks of man upon the land.

Artifacts abound for the patient collector. The road from Dayton is steep and rocky, but another road from Wellington, 30 miles to the south, is graded and, except for winter erosion, is usually in good condition.

There are fresh claim stakes here and there, which might indicate the possibility of a return to former days of glory. The stakes might also indicate that prospectors still go daft in the desert sun, or that a miner's reward perhaps lies more in the seeking than in the finding. □

in a few years the town began to dwindle away. The county seat was moved to Dayton, along with the newspaper after only 13 issues. The paper became the *Lyon County Sentinel*, then ceased publication altogether when the seat of government was moved from Dayton to Yerington a few years later.

The town's last inhabitant, 63-year-old Judge G. W. Walton, died in a fire that destroyed his cabin on the night of November 22, 1874.

Perhaps the most famous resident of the Como region was Chief Truckee, father of Chief Winnemucca, befriender of white men, purported savior of emigrant wagon trains and scout for Kit Carson and John C. Fremont. A river and town bear his name.

In his declining years, Chief Truckee, given the rank of captain for his volunteer services to Fremont's troops during the Mexican War, became ill from a tarantula bite on his face. He died October 8, 1860, in a wickiup somewhere near the site of Como and was buried with a wooden marker, the captain's commission given him by Fremont placed on his

## KENT FROST CANYONLANDS TOURS

Travel in modern 4-wheel-drive vehicles in AIR-CONDITIONED comfort in the wild and enchanting country of Southern Utah, Northern Arizona, Southwestern Colorado and New Mexico. **KENT FROST CANYONLANDS TOURS** provides custom service from one-day excursions to extended camp trips to remote back-country areas.

See article May '71 *DESERT Magazine*

FREE color brochure and camp trip schedule sent on request. Write:

**KENT FROST CANYONLANDS TOURS**  
P.O. BOX 694, DEPT. D  
KAYENTA, ARIZONA 86033

### MOVING?

SO YOU WILL NOT MISS AN ISSUE  
NOTIFY US AS SOON AS POSSIBLE.

Be sure to include old address  
as well as the new

AND BOTH ZIP CODES!

## DREAMING?

**Finding Buried Treasure Is No Longer a Dream . . . It's a SCIENTIFIC FACT with a RELCO DETECTOR**

Now find buried gold, silver, out-of-circulation coins with a modern Relco detector. Used by successful treasure hunters and coin collectors everywhere.

- ★ Sensitive enough to detect even a single coin. More penetrating power than ever before.
- ★ Works through earth, vegetation, wood, rock, water, etc.
- ★ Excellent for beach combing, searching ghost towns, old battle sites, abandoned buildings, caves.
- ★ Fully transistorized, weighs only 3 pounds, 2 year guarantee.
- ★ Powerful speaker signals when object is detected.

**FREE** only **\$19<sup>95</sup>**  
Send for free catalog and treasure hunting tips. to \$198.00

**RELCO**

DEPT. D-230, BOX 10839  
HOUSTON, TEXAS 77018

**FREE!** WRITE FOR  
FREE  
CATALOG  
AND  
BOOKLET  
ON TREASURE  
HUNTING.



# JERKY... Food FOR THE TRAIL



by Peter Tisher

**I**NDIANS, PLAINSMEN and wanderers of the vast western frontier carried a quantity of jerky at all times. It was as much a part of Daniel Boone, Kit Carson and a host of others as a coon skin cap and long rifle.

Jerky has been the standby food for men in far and lonely places for a couple of centuries. While lacking the necessary fats for extended use, it is light in weight and high in nourishment, thereby making it an ideal trail food.

Any lean roast; beef, venison, elk, etc., will do. I prefer flank steak, cut across the grain, in thin strips, and all fat—which will turn rancid—trimmed off.

Here are three versions of this old time high energy food.

Cut your meat across the grain in thin strips—the thinner the better—salt and pepper one side of the meat, rather heavy. Place in a large bowl, salted side down. Now salt and pepper again. On top of this, place another layer of meat salted side down. Salt and pepper again, repeating until all meat has been used. Top off with salt and pepper. Cover with a clean soft cloth, refrigerate for 24 hours.

Place a wire rack on a cookie sheet, lay the meat on the rack in rows, making sure the pieces do not touch one another.

The next and final step is the most important. Place cookie sheet in a gas oven for three days, making sure that only the pilot light is on. The meat will be almost black and very hard. You now have jerky. If stored in jars or cans, with a few holes punched in the top and away from moisture, it will last indefinitely.

For a quick—and some say better way—with a different taste altogether, cut meat as above. Put one cup of Soy sauce in a bowl, toss strips of meat in this, then lay meat on a piece of wax paper. Sprinkle lightly with garlic salt and lemon pepper, then with table salt and pepper.

Arrange strips without touching, salted side down, on a wire rack. Now sprinkle this side with seasonings. Let set thirty minutes to absorb all the flavor of the salt and pepper. Place rack on cookie sheet, Now place cookie sheet in a preheated 175 degree oven. Leave it there for six hours. Turn the strips over, return to oven for six hours more. Remove and store as above. To enhance the flavor of this jerky, it should be cured ten days in a can or jar, with holes punched in the lid.

For those of you who like a more spiced flavor, this is the one. Make a marinade using equal parts of Soy sauce,

A-1 Steak sauce and Worcestershire sauce. Add one teaspoon Liquid Smoke to a quart of the marinating sauce.

Make enough so the meat will be completely covered. Cut meat as before—remember, the thinner, the better. Place strips of meat loosely in a large bowl, cover with the marinating sauce. It will take approximately one quart of liquid for five pounds of meat. Place bowl in refrigerator for 24 hours.

Then remove meat, saving the sauce, salt and pepper one side lightly. Place salted side down on a wire rack. Now salt and pepper the other side. Preheat oven to 175 degrees, then turn off oven. Place meat rack on cookie sheet, then place cookie sheet in oven for five days. Do not relight oven. Store as previously mentioned. Now for the sauce you set aside. Store in a tight container in the refrigerator. This should be used in outdoor cooking as it makes a wonderful basting and barbecue sauce.

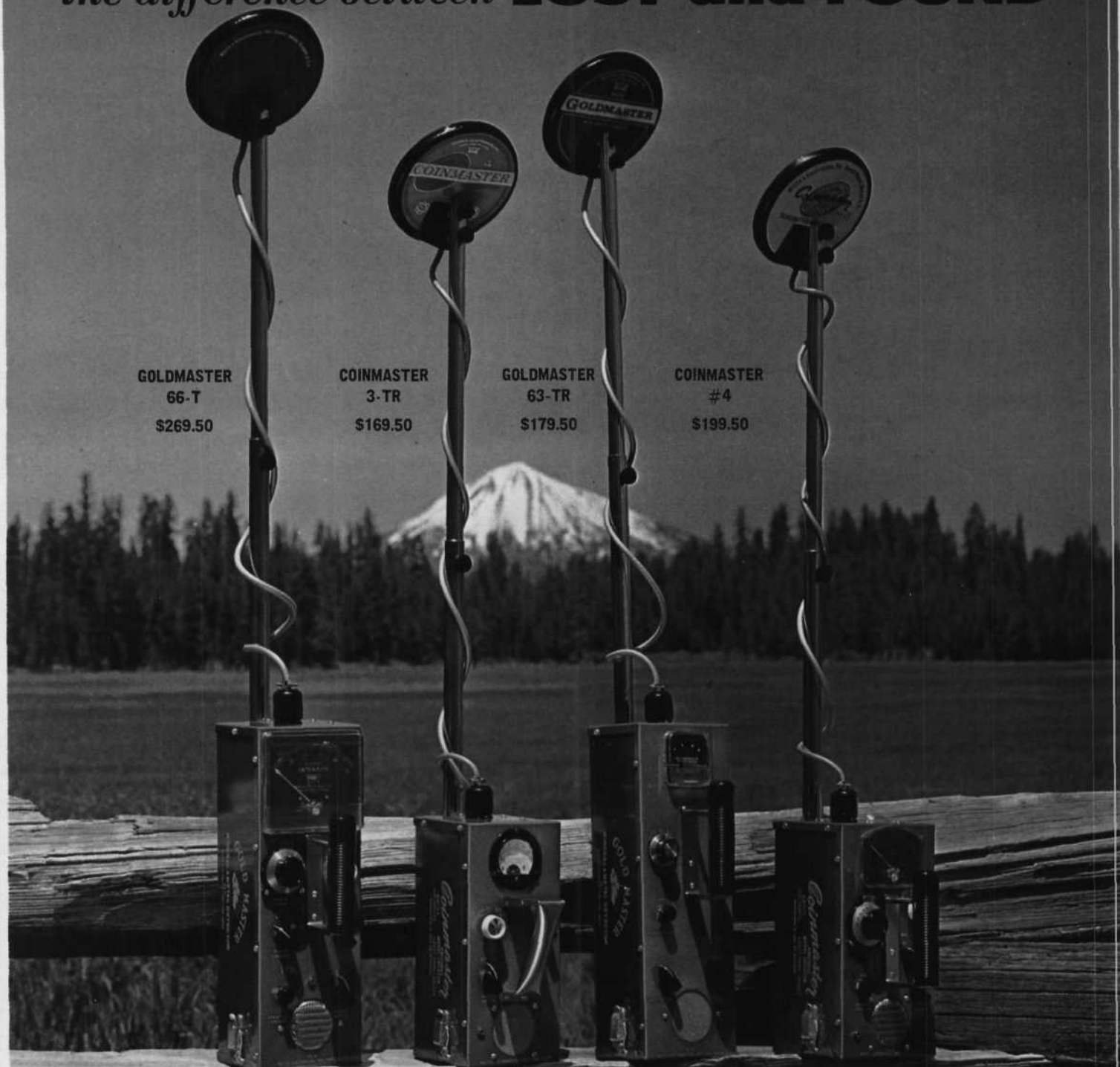
There are various other methods for jerky. Why not make up your own marinating sauce, then follow the rest of my directions?

Jerky is one of the best quick energy foods known to man. And, if made the right way, delicious and nourishing. □



# GOLDMASTER / COINMASTER

*the difference between* **LOST and FOUND**



**GOLDMASTER**  
**66-T**  
\$269.50

**COINMASTER**  
**3-TR**  
\$169.50

**GOLDMASTER**  
**63-TR**  
\$179.50

**COINMASTER**  
**#4**  
\$199.50

## **\$85,000 Cache Located in ARKANSAS!**

There is a whole new world out there, once you leave the crowded city and move in this new area of adventure. Discover forgotten times and lost places. There are vast fortunes of personal and monetary treasure lost, hidden and undiscovered in every corner of our land.

White's Electronics, Inc., manufacturer of the world's largest and finest line of mineral and metal detectors, invites you to take a

**BECOME AN EXPLORER! SEE YOUR LOCAL DEALER—HE IS LISTED IN THE YELLOW PAGES UNDER METAL DETECTING EQUIPMENT or write for your FREE LITERATURE to:**

closer look at their product. The colorful world of exploration and adventure can be yours by owning a White's Metal Detector. Detect **GOLD, SILVER or COPPER NUGGETS**, coins, jewelry, guns, artifacts of all descriptions. Discover mementoes of our American Heritage or reclaim native ores from the earth. Whether you are chasing down an old treasure story or on a family outing to the park or beach, every trip can be an adventure—each time the instrument sounds off it could be a rare coin or a hidden cache.

### **WHITE'S ELECTRONICS, INC.**

1011 Pleasant Valley Road — Room — 121

SWEET HOME, OREGON, U. S. A. — 97386

— A COLORFUL WORLD OF ADVENTURE —



*Visitor leaves museum after obtaining a tour guide brochure explaining the history of the Pueblo Grande Ruins located in downtown Phoenix, Arizona.*

**T**HIS IS not a mystery story, even though the history of the Hohokam Indians is shrouded in mystery. Many unknowns exist, including the when and why of their arrival in what is now southern Arizona around 300 B.C., and their disappearance from the scene about 1450 A.D.

Neither is it a who-done-it story, because "who done it" and what they did is known, thanks to an archeological project, known as the Pueblo Grande Ruins and Museum.

Pueblo Grande consists of 28 acres of land, including a prehistoric mound that at one time was the site of an important village of the Hohokam culture. It is located in the downtown section of Phoenix, at 4619 East Washington Street, a few blocks east of the Greyhound Race Track.

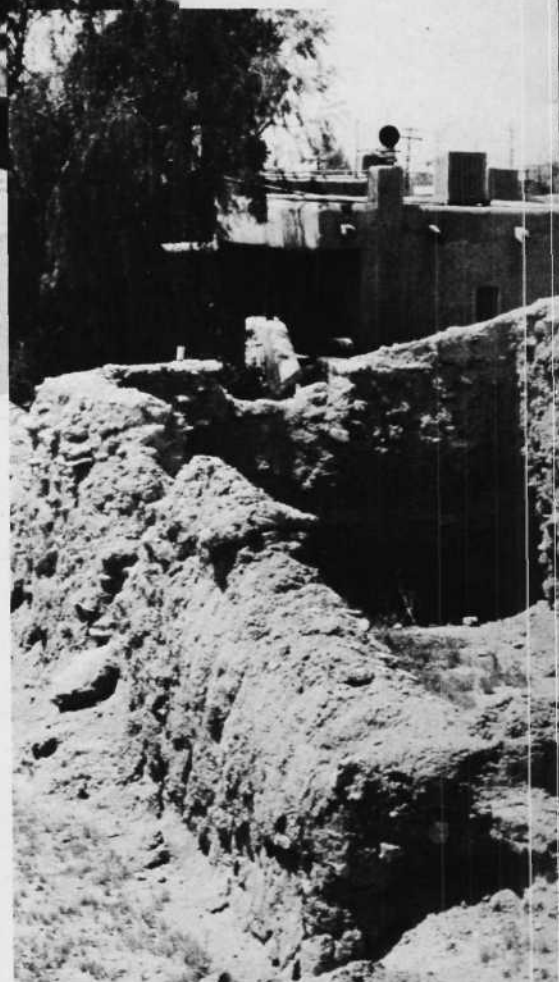
Drive through the long entrance road to the parking area. Before starting your walking tour, stop at the Museum and pick up a brochure. This is a trail guide listing interesting information arranged by tour stations with excavated homes and other structures posted with identifying numbers corresponding to those in your brochure.

The prehistoric mound was built of

earth, held in place by retaining walls with its elevated feature providing an advantage in defense of the village. At one time, this Hohokam community covered 80 or more acres, but it was consolidated into the fort-like mound through enlargement of the area and construction of additional retaining walls. Construction methods used on the one-room homes varied from wattle and daub (setting rows of poles in the ground, weaving reeds and sticks between them, and plastering the walls with mud) to coursed walls (laying rocks of uniform shape and size in courses, and tying them together with mud mortar).

After viewing many excavated living quarters and other building remains, you'll come to what was a ball court. It is a cement-lined depression measuring 85 feet in length by 41 feet in width. The floor of the court is  $4\frac{1}{2}$  feet below the present ground level.

Hohokam teams, sometimes consisting of as many as eleven to a side, used a heavy (three to five pounds) crude rubber ball. It was rebounded from one player to another without use of the feet, hands, or head—the favorite shot was from the hip! Points were made by goaling the ball in the opponent's end of the



court. Betting on the games was heavy, and much religious and ceremonial importance was attached to the sport.

Communities of the Hohokam Indians were scattered throughout an area of nearly 49,000 square miles. There were two distinct groups which were identified as the River Hohokams and the Desert Hohokams. The River Hohokams lived in the river valleys of the Gila, Salt and Verde Rivers; and the Desert Hohokams inhabited the vast desert region south of the Gila River. It was the River Hohokams who constructed one of their



# Ruins of the Hohokam Indians


by Jack Delaney

principal villages on the mound at the Pueblo Grande location. They also occupied 22 large and many small communities along the rivers of southern Arizona.

They planted their crops on the lower river terraces and were known to be master farmers. These inspired people decided, around the year 500 A.D., that those who could not come to the river should have the river brought to them! They initiated the construction of irrigation canals to supply water for the crops of their people and at one time, there existed 250 miles of canals in the Salt River valley. This was without doubt the largest prehistoric irrigation project in North or South America.

These people were also skilled artists judging from the quality of their pottery, believed to be the first polychrome ware in the southwest. It was decorated with freedom and imagination. They excelled in shell work, were talented stone carvers and were outstanding as weavers. Their basket work was the product of skilled artists, but only ash casts of this craft have been recovered.

Exhibits in the Museum include many of the items recovered through excavation at Pueblo Grande. Much more might have been uncovered had it not been the custom of the Hohokam Indians to cremate their dead. However, many pieces of jewelry and other artifacts have been



*Trails lead around the excavations and ruins of the Hohokam people whose culture flourished from 300 B.C. to 1450 AD. The community covered more than 80 acres with irrigation canals.*





*Tinker Yazzie . . .  
Lives in Monument  
Valley and has been  
a guide for 12 years.*

Some of the trips that  
are available:

White Mesa

Blue Canyon

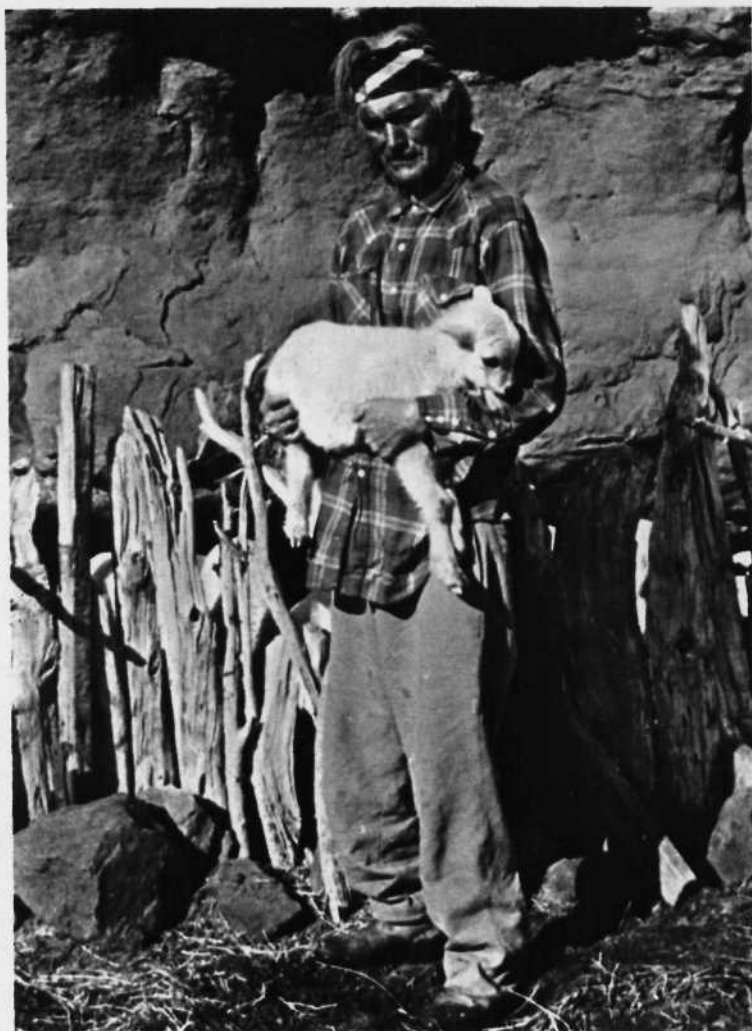
Monument Valley

Hunt's Mesa

*Frank Bradley . . .  
Was the first Navajo  
Tribal Park Ranger and  
has tremendous know-  
ledge of the area.*



# Your Guides with Golden Sands Tours



*Navajo shepherd and lamb in Monument Valley*



*Terry Alderman . . .  
Guide and professional  
photographer whose  
knowledge is a great  
aid to camera buffs.*

Mystery Valley

Monument Valley in  
Wintertime

Pack Trips to  
Rainbow Bridge

*Lonny Yazzie . . .  
Born and raised in  
Monument Valley is a  
college student at  
Lawrence, Kansas and  
a tour guide  
during the summer.*



DILLARD CRAWLEY

Monument Valley  
**Golden  
Sands Tours**



BILL CRAWLEY

BOX 187, KAYENTA, ARIZONA 86033  
TELEPHONE (602) 697-3424



found along with the ashes of their departed ones. An interesting display is the skull of an adult Indian containing his own ashes, and the skull of a child containing his ashes! Cremation was practiced by the River Hohokam until about 1300 A.D. Bodies of the deceased were consumed in a hot brush and ironwood fire.

The Museum has three separate laboratories: the General Laboratory for identification and classification of artifacts; the Physical Laboratory for the examination of skeletal material, where more than 130 cremations and 40 burials are stored; and the Geo-Chemistry Laboratory where chemical, physical and visual means are used for the critical analysis of unknown and pathological material. It also has an excellent library. Among the informational services it provides free of charge are personal contact, visual interpretation, a school education program, lectures and literature.

The Ruins and the Museum are open to the public from 9 A.M. to 5 P.M. weekdays, from 1 P.M. to 5 P.M. Sundays, and are closed Saturdays and major holidays. There is no charge for parking, admission or literature. Pueblo Grande is administered by the Division of Archeology of the City of Phoenix. It is supervised by the City Archeologist, Donald H. Hiser, with the able assistance of Peggy Kelley, a pleasant, informed Museum assistant. During the summer months archeological students from various universities in southern Arizona are hired for excavating and laboratory activities.

There are about 7000 Pimas and 7700 Papagos in southern Arizona. Both groups

are generally believed to be descendants of the Hohokams. Actually, the name, "Hohokam," is a Pima word meaning, "Those Who Have Gone Before." The Pimas are the River People and the Papagos are the Desert People, and their cultural similarities and differences appear to agree with those of the ancient River and Desert Hohokam. The Pimas have adopted irrigation for their wide variety of crops, including a fine cotton that bears their name.

Some time before Columbus discovered America the Hohokam civilization came to

an end. Evidence uncovered thus far has indicated nothing in the nature of violence, famine or other understandable causes for their mysterious disappearance—not even air pollution! Perhaps further exploration of their former domain will reveal a plausible explanation. In viewing the partially excavated homes, buildings and playing fields of an extinct people, and examining the findings in the Museum, you'll appreciate the fact that the glorious past of the Hohokams is being kept alive through this worthwhile project. □



## It Raises. It Lowers. It's Hydraulic.

Born to roam the rugged Alcan Highway, the Alaskan Camper quickly found its way to every corner of the world. That's because Alaskan owners are a special breed, no-nonsense folk. They know value and design. Value is measured by Alaskan in every pound of

quality for the dollar. No short-changing on the production line. The patented hydraulic lowering and raising mechanism marks the design. You get the roomy living space when you need it. In camp. On the road it won't be there to fight the crosswinds. Alaskan means an exciting promise of adventure. Promise yourself an Alaskan—and keep it.

**All models, including hydraulic telescoping cabover.**

Sold and installed only at Alaskan Camper factories at factory prices. Also available at authorized factory outlets.

**Write today to the factory nearest you for free folder describing the most advanced camper on the road.**

**R. D. HALL MFG., INC.,** 9847 Glenoaks Blvd., Sun Valley, (San Fernando Valley) California 91352, Dept. D-3

Factory Outlet: **ALASKAN CAMPER SALES, INC.,** Interstate 80 (half way between S.F.-Sacramento), Route 1, Box 332, Suisun City, Calif. 94585, Dept. D-3

**ALASKAN CAMPERS NORTHWEST, INC.,** 6410 South 143rd Street, (Tukwila) Seattle, Washington 98168, Dept. D-3

**G. R. GRUBBS MFG., INC.,** d/b/a Alaskan Camper Sales, 9042 Longpoint Rd., Houston, Texas 77055, Dept. D-3

**FORT LUPTON CAMPERS,** 1100 Denver Ave., Fort Lupton, Colorado 80621, Dept. D-3

**EINARS CAMPER MFG. CO.,** d/b/a Alaskan Campers North Central, 3726 North 9th Avenue, Sioux Falls, South Dakota 57104, Dept. D-3

**PENNACAMP, INC.,** 401 West End Avenue, Manheim, Penn. 17545, Dept. D-3

**MOBILE LIVING PRODUCTS LTD.,** 5124-47 "A" St., Lacombe, Alberta, Canada, Dept. D-3

CANADIAN PATENT NO. 637-543

U.S. PATENT NO. 2879103

## Lowest Photo Prints Price Highest Quality

### KODACOLOR FILM DEVELOPED & PRINTED

|  |             |
|--|-------------|
| 8 Jumbo Prints (rectangular)                         | .....\$1.78 |
| 12 Jumbo Prints (square)                             | .....\$2.18 |
| 12 Jumbo Prints and New Roll of Kodacolor except 126 | .....\$2.98 |
| 12 Jumbo Prints and New Roll of Kodacolor film, 126  | .....\$3.07 |
| Kodacolor Neg reprints (square)                      | .....\$ .14 |

All prices comparably low. Price sheets and envelopes available.

No gimmicks No lies

47 years of continuous service guarantees your quality.



### MARKET BASKET PHOTO CO.

P. O. Box 370, Yuma, Arizona 85364 or P. O. Box 2830, San Diego, Calif. 92112

# Milton Sharp- Gentleman Bandit

by Craig MacDonald



*Milton Anthony Sharp, circa 1880*

**M**ILTON ANTHONY SHARP was the type of man daughters would have been proud to have brought home to their mothers. He neither drank, smoked, chewed tobacco nor used profanity. His charming manners and cultured use of the English language made him the target of many a female.

Sharp was also very handsome with dark brown, wavy hair, broad shoulders and flashing brown eyes. His general carriage could have been mistaken for that of a diplomat or congressman.

But diplomat or congressman, Sharp was not. He had a far different occupation—which was run in a courteous and orderly manner. Milton Anthony Sharp robbed stages. In fact, he was one of the most successful bandits in California and Nevada.

Nobody knows the reason this Missouri-born gentleman, who came to California to work in the mines, turned to crime. Between 1878 and 1880 Sharp held up 15 stages in the Bodie-Carson City area, where gold and silver from Nevada's Comstock Lode was frequently transported.

Following each robbery he took the loot to his San Francisco home on Minna

Street, where he lived in ease and luxury while the money lasted.

One of Sharp's victims in a Bodie stage robbery, Colonel K. B. Brown of Nevada, told a San Francisco reporter: "I never knew anybody who could rob stages better than Sharp, not even Black Bart. He was one of the politest gentlemen I ever met. There was nothing vulgar or coarse about him. Everything was done in a business-like way, and there was no unnecessary rudeness. He was particularly gallant to lady passengers and always acted like a high-toned gentleman."

Sharp never resorted to violence, even when his partner was killed by a stage guard during one holdup. He never encountered an empty strongbox, which indicates he probably had inside information as to a stage's cargo.

The highwayman had the same "modus operandi" for each job. After halting the coach and taking the weapons from the guard and driver, Sharp politely ordered the passengers to line up with their hands in the air. Next, one by one, he turned their pockets inside out, letting the contents fall to the ground. The victims were then told to take three steps forward

while Milton gathered the valuables, smashed open the strongbox, rifled the mail and disappeared into the wilderness on horse.

Only once did the careful robber lose his stolen cargo. In February, 1880, he waylaid the Sacramento stage on its way to Carson City. Sharp made off with \$13,000 in gold notes from the Mills Bank of Sacramento.

With a posse not far behind, he buried the notes beneath some rocks on the South Fork of the American River. A rancher stumbled upon the small fortune and used the gold notes to pay off the mortgage on his ranch.

Throughout 1880, wanted posters with Sharp's description were a common sight around California and Nevada. One Wells Fargo poster said Sharp was "about 45-years-old, with a dark complexion, Roman nose, scar on his right forearm and bright flashing eyes which he turns on you when he talks, never taking them away when conversing."

Despite the widespread search by lawmen, Sharp remained free, robbing six stages between May 15 and September 5, 1880. This frequency of holdup beat the more infamous Black Bart's average on a



per week basis.

Milton's refusal to use aliases led to his downfall. On September 17, 1880, Wells Fargo detective Jim Hume spotted a carpet bag with Sharp's name and address on it while in San Francisco's Market Street depot. Hume staked out the Minna Street home and arrested Sharp where he returned that night from the Opera House.

Inside the valise Hume found \$3,000 and a gold watch from a recent robbery near Bodie. This evidence was enough to insure Milton a long stay in the poky. Since the robbery occurred in Nevada, Sharp was transported to the Aurora jail.

His refined and facile tongue enabled Milton to talk the jailer into giving him a penknife for carving dolls out of wood for the jailer's children—a task which he performed to perfection. One November night he used the same knife to dig through the jail's stone and mortar to freedom.

The residents in the area surrounding Aurora were terrified. Wells Fargo, the town of Aurora, the county commissioners and the State of Nevada all offered rewards for the fugitive's capture.

A massive manhunt started with businessmen and miners joining lawmen in the search. As a precautionary measure, bullion shipments out of the Esmeralda region were suspended while Sharp was at large.

Milton was not to be found. What was found, however, near Aurora, was the Oregon boot, a 15-pound steel shackle, which had been secured to his legs. This marked the first time in America that a man had freed himself from such a device.

A week later, Milton Sharp, nearly dead from starvation, turned himself in to the astonished sheriff in the Nevada town of Candelaria. Sharp served a five-year term in the Nevada State Penitentiary before being pardoned, never to return to crime again.

At the time of Sharp's "capture," Colonel Brown was asked by a San Francisco reporter why Milton had not stolen food, for if he had he would probably have escaped.

"Break into some ranch or miner's cabin? No, sir! Not in a hundred years," Brown said. "Milton A. Sharp was a stage robber, sir, but he would never stoop to burglary!" □

## Calendar of Western Events

*This column is a public service and there is no charge for listing your event or meeting—so take advantage of the space by sending in your announcement. However, we must receive the information at least three months prior to the event. Be certain to furnish complete details.*

**JULY 23-25, JEEPERS JAMBOREE**, 19th annual event for **FOUR WHEEL DRIVE VEHICLES ONLY**. For applications for two-day and three-day trips write P. O. Box 308, Georgetown, Calif. 95634.

**JULY 23-24, PIONEER DAYS CELEBRATION**, Monticello, Utah. Parade, rodeo, fireworks.

**JULY 23-27, INDIAN DANCE FESTIVAL**, Mission Santa Barbara, Santa Barbara, Calif. Five performances daily. Authentic dances by colorfully dressed Indians from Arizona. Dancers have performed throughout the world.

**JULY 30-AUG. 1, APPLE VALLEY POW WOW DAYS**, 24th annual event sponsored by Apple Valley Chamber of Commerce this year will honor the American Indian. Parade, western events, etc. Write Chamber of Commerce, Box 1073, Apple Valley, Calif. 92307.

**AUGUST 8, ANNUAL SHADE PLANT SHOW** of the American Begonia Society, Gem & Mineral Building, Ventura County Fairgrounds, Ventura, California.

**AUGUST 14 & 15, MOUNTAINEER GEM CLUB'S** 6th annual show, Big Bear City Firehall, Highway 18, Big Bear City, Calif. Free admission, door prizes, dealers.

**AUGUST 14 & 15, CARNIVAL OF GEMS** sponsored by the San Francisco Gem & Mineral Society, Hall of Flowers, Golden Gate Park. Jewelry, gems, carvings, mineral specimens from throughout the world. Demonstrations include wax and sand casting. One of the largest shows in the West.

**AUGUST 18-22, FARMERS FAIR** of Riverside County, Hemet, Calif. Rodeo, livestock, corn planting, flower show etc. Adults, \$1.00, students, 25 cents, children free.

**AUGUST 27-29, INDIAN & WESTERN ARTIFACT SHOW**, Frontier Hotel, Las Vegas, Nevada. Complete Indian and Western American exhibits and artifacts. Indian personalities, trophies, door prizes. For information and space, write P. O. Box 5574, Las Vegas, Nevada 89102.

**AUGUST 28 & 29, GEM and MINERAL SHOW** sponsored by the Santa Ynez Valley Club, Veterans Memorial Building, 1745 Mission Drive, Solvang, California.

**SEPTEMBER 19, ANNUAL ROCK SWAP** of Fresno Gem & Mineral Society, Burris Park, 6th Street and Denver Avenue, Fresno, California.

**OCTOBER 2 & 3, FESTIVAL OF GEMS** sponsored by the East Bay Mineral Society, Scottish Rite Temple, 1947 Lakeside Drive, Oakland, California.

**OCTOBER 2 & 3, HARVEST OF GEMS** sponsored by the Centinela Valley Gem and Mineral Club, Hawthorne Memorial Center, Inglewood, Calif. Free parking and admission.

**OCTOBER 7-17, FRESNO GEM & MINERAL SOCIETY'S** 20th annual show, Fresno District Fairgrounds, Fresno, California.

**OCTOBER 9 & 10, HOLE-IN-THE-ROCK SAFARI**, Blanding, Utah. Two-day 4WD trip retracing trail used by Mormons who crossed the Colorado and settled San Juan County. For information write San Juan County Tourist and Publicity Council, P. O. Box 425, Monticello, Utah 84535.

**OCTOBER 10, SACRAMENTO DIGGERS MINERAL SOCIETY'S** Rock Swap and Fun Day, Farmers Market, 30th and S Streets, Sacramento, Calif. Tailgaters welcome.

**OCTOBER 30 & 31, NINTH ANNUAL SAN DIEGO COUNTY ROCKHOUND GEMBOREE** sponsored by the Council of the San Diego County Gem & Mineral Societies, Scottish Rite Masonic Memorial Center, 1895 Camino Del Rio South, San Diego, Calif. Large and excellent annual event.

### FIND BURIED TREASURE

**29<sup>95</sup>** MK IV  
POST PAID no meter



**1971 MODELS**  
GUARANTEED  
FOR 60 DAYS EQUAL  
\$200 DETECTORS OR YOUR  
MONEY BACK  
DEALER INQUIRIES INVITED

**Finds Coins...Jewelry...Gold...Silver...Copper**  
Complete with 5 transistors, general purpose 5" search head, separate thumbwheel tuner and volume control, 2 1/4" internal speaker 16-30" telescoping rod, 9V battery, earphone 3" & 10" search heads also available. To Order, send cash, check or MO, \$3 deposit for COD. In NJ add 5% State Tax. Put coupon and return address in envelope. Mail to:

Treasure House DAH Tennent, N.J. 07763  
□ 3" Head for shallow coins 0-9" ..... \$ 8.95  
□ 10" Head for deep chests 4-72" ..... \$10.95  
□ Mark IV complete no meter ..... \$29.95  
□ Meter Master complete with meter \$39.95  
□ FREE \$14.95 Value fitted Attache Case plus 196pg Treasure Book with any 3 items above  
□ FREE list of Maps, Books and Catalog



# SUMMER TIME IS

**W**ITHIN A three-hour drive from the majority of urban areas of Southern California, the San Bernardino Mountain Recreational Area offers an escape for city dwellers looking for clean air, colorful history and contentment.

Towering over the Mojave Desert to the north and east and the coastal plains to the west, the San Bernardino Mountains extend nearly 50 miles from U.S. 15 and the Cajon Pass to near the Joshua Tree National Monument on the Riverside County line.

Within these 1,270 square miles are lakes, mountain streams, pine-covered camping areas, hiking and horseback riding trails, scenic graded passenger car roads, rugged four-wheel-drive trails, year-round ski lifts and communities catering to both residents and visitors.

For fishermen it has lakes and streams stocked with bass and trout; for history buffs and explorers it abounds in old gold and silver mines, and for naturalists it contains 43 different species of trees and dozens of varieties of wild flowers, birds and animals.

It also has the loftiest peak south of the Sierra Nevada Mountains (Mt. San Gorgonio, with an elevation of 11,502 feet), the largest Joshua tree and the tallest Lodgepole pine tree in the United States, and is one of the few areas where desert flora gradually mingle with mountain vegetation.

Animals include deer, bighorn sheep, mountain lion, coyote, skunk, gray squirrel, opossum, raccoon, smaller animals, and an undetermined number of bear. (The bear are an imported brown bear variety, not the fierce grizzly bears which roamed the area more than 100 years ago. See *Desert*, August '70.)

Some of the main trees are mountain mahogany, pinyon, big cone Douglas fir, Jeffrey and Knob cone pine, ponderosa, cedar and white fir, aspen and Lodgepole pine. Chaparral, mesquite and greasewood provide a covering for the dozens of exquisite wild flowers which blossom during the summer months. Desert cactus, yucca and Joshua trees mingle with mountain flora at the lower levels.

*The numerous streams in the San Bernardino Mountains are regularly stocked with trout.*

*Even if you don't catch your limit, it's a relaxing way to spend a day.*

*This section of Deep Creek is near Lake Arrowhead.*



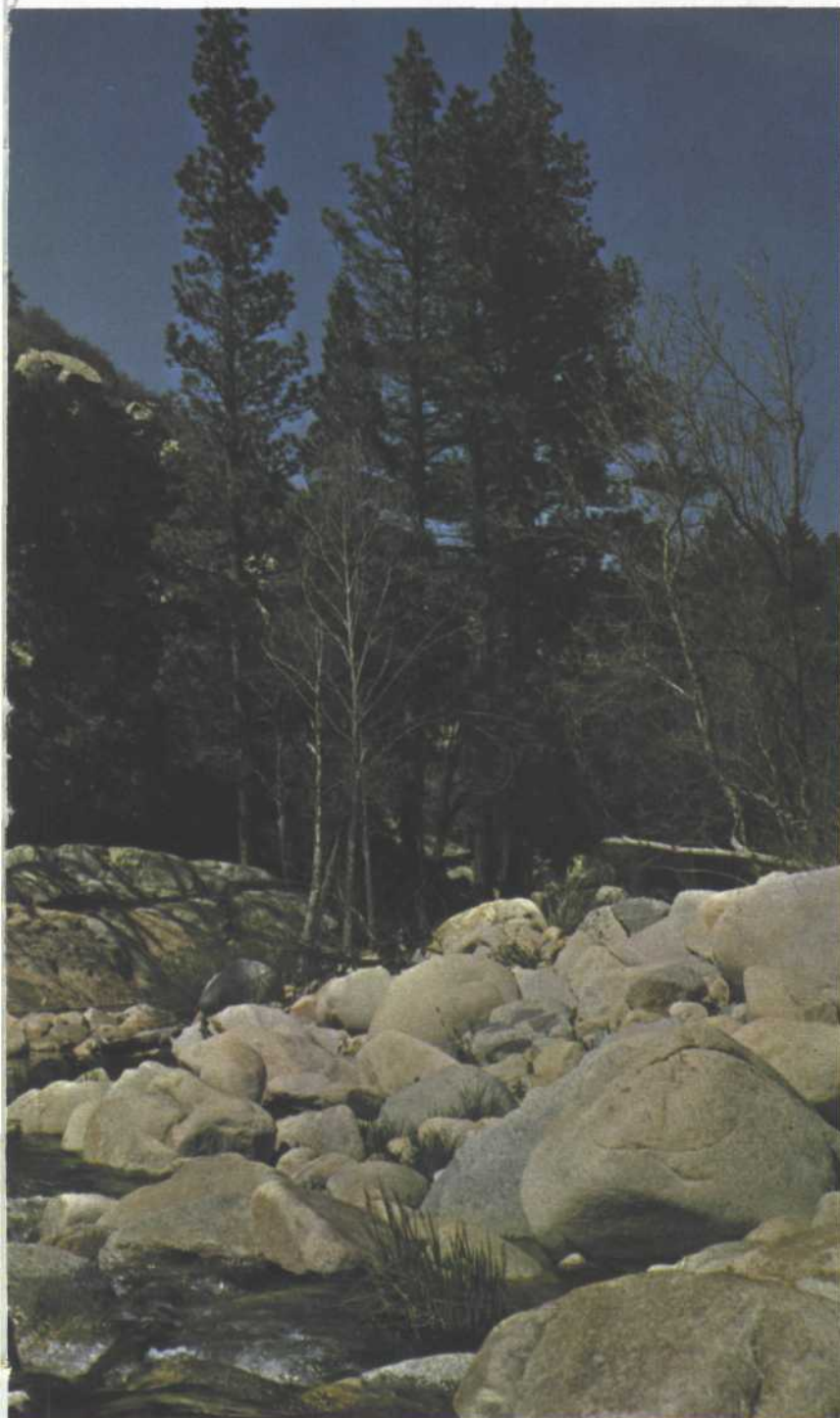
It also has movie sets, bowling alleys, ice skating rinks, movies, golf courses, shooting galleries, amusement parks, tourist shops, stores, motorbike and bicycle rentals, drive-ins, teen-age centers, night clubs and kiddie entertainment for those who do not want to leave all of the com-

forts of city life behind.

There are public and private campgrounds, motels, rustic lodges and cabins and larger homes which can be rented by the day, week or month through the hundreds of real estate agents. The agents will also sell you a "home away from home"



# MOUNTAIN TIME!



by  
**Jack  
Pepper**

Black and  
white photos  
by Patricia Sager

larger by 2000 square miles than the State of Rhode Island. It has a total of 812,633 acres of which only 198,042 are owned by private individuals or local and state governments — there are 30-odd communities along the main highways. This leaves 614,591 acres of public land administered by the U.S. Forestry Service "for the greatest good for the greatest number of people"—which means Mr. Average Citizen.

However, it does not mean these vast public lands are open to unlimited camping and exploring—and littering. Although there are only 15,000 permanent residents in the area, during 1970 more than 7,000,000 people visited the mountains and during the last Memorial Day holidays there were 8,000 visitors in the Big Bear Valley alone.

And, due to extreme fire hazards, nearly half of the San Bernardino National Forest is closed to the public during the summer months to prevent disasters such as the conflagration of 1970 which destroyed 34,869 acres of prime timberland and hundreds of homes.

Despite these restrictions and the large number of visitors to the San Bernardino Mountains, it is still a mecca for city dwellers wanting to get away from smog and congestion and for desert residents looking for a respite from the summer heat.

This is especially true if you will venture off the main highways and take advantage of the hundreds of miles of good graded passenger car roads which provide scenic trips into the back country and which lead to good fishing streams such as in the Barton Flats and Mill Creek areas. Naturally, the farther away you are from the main stream of traffic, the less crowded the campgrounds. Also, all of these back country excursions can be made in an easy one-day trip from your motel or lodge.

There are two main highways going into the San Bernardino Mountains from the north and three from the south, all connecting with the east-west highways which cross the 50-mile top. These highways twist through mountain passes and

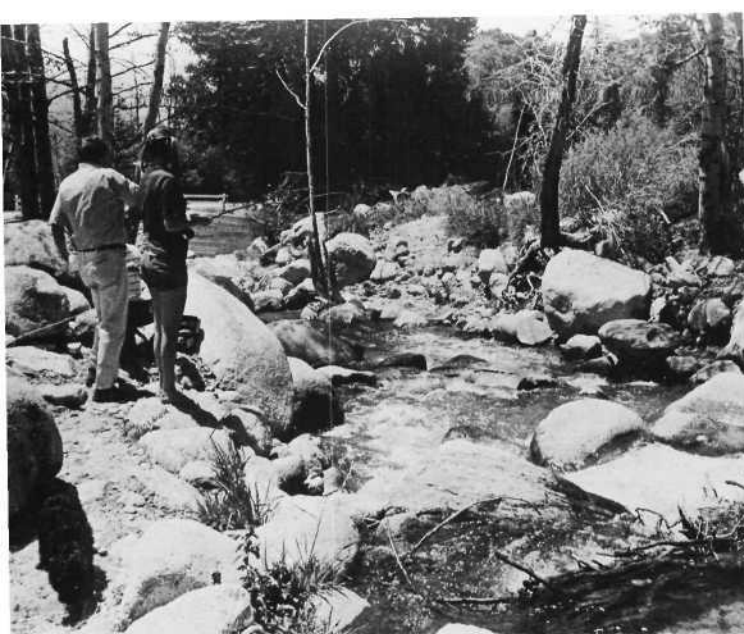
pointing out that you can use your cabin during the winter if you are a snow sportsman and rent it during the summer, or vice versa—which many home owners do.

Practically all of this vast recreational area is within the San Bernardino Na-

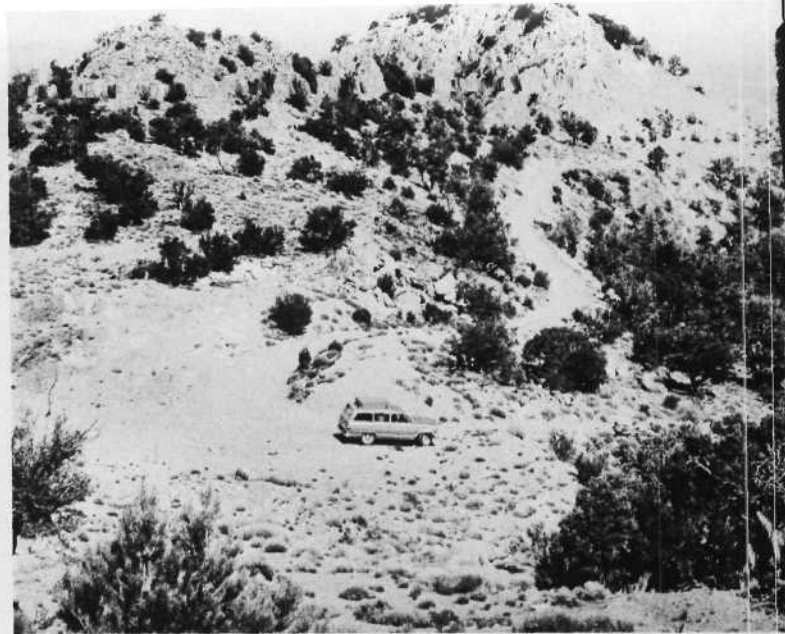
tional Forest and is supervised by the U.S. Forestry Service which has five main information centers (see box) along the 200 miles of main highways. They provide free maps and information on camp sites, etc.

The San Bernardino Mountain area is





*Two young anglers and their poodle find the Santa Ana River near Angelus Oaks a good area for fishing. Due to fire hazards, overnight camping at the river is prohibited.*



*For those who want to find complete quiet and peace, there are numerous graded passenger-car roads leading into the back country of the San Bernardino Mountains.*

along the side of the ridges, so judge your speed and time accordingly.

### California State 18

Called the "Rim of the World Highway," California State 18 originates at the City of San Bernardino and is probably the most traveled of the five main mountain highways. After leaving

the valley floor, it winds up the grade to Crestline, which during the early days was called Mormon Springs. The old saw mills and landmarks have been replaced by a modern tourist community.

From Crestline State 138 goes over the San Bernardino Mountains along what used to be the old Miller Canyon Road and descends to Summit Valley and a highway to U.S. 15 and Cajon Pass to San Bernardino.

As you approach Summit Valley from above you can see the site of future Lake Silverwood, a giant body of water which will eventually cover the Cedar Springs Reservoir Site and is being formed as

part of the Feather River project. The recreational lake is scheduled for completion within two years and will have 22 miles of shoreline.

At Crestline State 18 turns east and travels along the ridge of the mountains, south of Lake Arrowhead and continues for 30 miles to Big Bear Lake. It is this spectacular drive which gives the highway the name of "Rim of the World." Several paved roads lead from State 18 through canyons to Lake Arrowhead and its environs, including the communities of Blue Jay and Twin Peaks.

Although most of the land immediately around Lake Arrowhead is privately



**The complete,  
year-round,  
family resort  
... on the lake**



Marina - Boat Rentals

Slips - Buoys - Bait - Tackle

Housekeeping Cabins - Market

2 Miles from Dam on Hwy. 18, South Shore  
Call (714) 866-7557 or Write Box 5322

Big Bear Lake, Calif. 92315

Master Charge BankAmericard



**OFFICE AND MODEL SITE**

Located on Highway 18, One Mile East of Town

**AT BEAUTIFUL BIG BEAR LAKE**

*Live Here . . . Live Longer and*

*Enjoy Four Season Recreation!*

**IT IS TO YOUR ADVANTAGE TO CONTACT A BUILDER-REAL ESTATE  
BROKER COMBINATION WHENEVER YOU WANT TO BUY, RENT, SELL  
100% FINANCING**

PHONE 714 866-7571  
L.A. 213 291-5177

OR WRITE: BOX 819  
BIG BEAR LAKE, CALIF. 92315



owned, the view of these homes and the crystal waters of the lake below are well worth the trip around the lake.

Village Bay, on the south shore of the lake, is the most concentrated shopping area and seems to be the favorite meeting place for both residents and visitors. It has snack bars, restaurants, shops and other attractions. It is also the only spot on the lake where you can fish from shore—although this is a small area.

However, the South Shore Marina next to the limited fishing grounds, has boat rentals for fishing on the lake. It also has just launched a new excursion boat, the "Arrowhead Queen", which takes passengers on a 40-minute cruise around the lake, departing every hour.

#### California State 30

Another paved highway is State 30 from Highland, east of San Bernardino, which intersects State 18 at Running Springs, midway between Lake Arrowhead and Big Bear Valley. Originally a lumber trail, it became a horse-drawn stage road as early as 1898. Traces of the old road can still be seen from the highway.

State 18 is the fastest and most direct highway to the Crestline and Lake Arrowhead areas, and State 30 to the Big Bear Lake Valley and communities between the two main lakes.

#### California State 38

For the longest but the most scenic and historic route to Big Bear Valley and the eastern section of the mountains from the San Bernardino coastal area, take State 38, known as the Mill Creek-Barton Flats Highway. (For those wanting to take a one-day round trip, either of the three above mentioned highways can be used.)

Depending upon whether you are coming from the north or south, State Highway 38 can be reached from either Red-

lands or Yucaipa. Both ways will lead to the Mill Creek Ranger Station at the intersection of Bryant Road and State 38. Be certain to stop here and pick up a free map and other information.

(Location of the main U.S. Forestry Service information centers are listed in this issue. There are other sub-stations on back country roads too numerous to list. The people in the main stations and the rangers in the back country are among the most informative and courteous I have found in many years of exploring  
*continued on page 34*

## Subscribe to

**Desert**  
MAGAZINE

**1 Year \$5.00**

**2 Years \$9.50**

**3 Years \$13.00**



# HOLLOWAY'S LANDING and MARINA

P.O. BOX 1507, BIG BEAR LAKE, CALIFORNIA 92315

(714) 866-2231

RENTAL BOATS: ROWBOATS & OUTBOARDS - MOORAGE

SALES: TACKLE & MARINE HARDWARE

SALES & SERVICE: JOHNSON MOTORS



## CHEVRON MARINE SERVICE STATION

Featuring Super Red Outboard Oil in Our Blending Pump

## FAMILIES WITH CHILDREN PREFERRED!

NEAR LAKE ARROWHEAD, AMID THE PINES  
---PLAN YOUR FAMILY VACATION NOW!

Housekeeping cabins, moderate rates,  
unforgettable planned activities for  
all ages. Olympic heated  
pool (35'x82') Send for  
pictorial brochures:



### PINE VIEW LODGE

Box DM Blue Jay, Cal. 92317

Tel. (714) 337-1617  
(no liquor please)

MOTOR HOMES & CAMPERS WELCOME  
Located in San Bernardino Nat'l Forest





# Riding the Rails to Stedman

by Mary  
Frances  
Strong

Desert Magazine Field Trip Editor, Mary Frances Strong, and her husband-photographer, Jerry, use trail bikes to explore a deserted mining community

WITH A sharp down-thrust on the starter and a few revs of the motor, we were off to explore the former route of the Ludlow and Southern railroad. We were using trail bikes—the versatile motorcycles which have opened up new horizons to the desert explorer and his family. Old trails, railbeds and roads, though no longer maintained, can easily be negotiated with the rewards being old bottles, relics, gems and minerals, or just the thrill of riding back into history.

The defunct Ludlow and Southern

railroad, which ran from Ludlow to Stedman, in Southern California's San Bernardino County, was only some seven miles long. Yet, it gained fame from hauling the rich ores of the Bagdad Chase mine, as well as taking the men to town from what was probably the "driest" mining camp on the Mojave Desert. The rough and ready men who worked in the mines found ways to overcome such hardships. Evidence of this was found as we "rode the rails" to Old Stedman.

Exploring an old railroad can turn up

many interesting items; but first you must locate the railbed. This isn't always as easy as it sounds, even when you know the point of junction with the main line. Time and erosion plus the progress of civilization can and often does erase the clues. The latter appears to be the case along the first three miles of the Ludlow and Southern. A graded, dirt road now leads up through a pass in the hills following, more or less, the former grade.

The old railbed can first be observed a short distance south of the summit where



nearly a mile of it has been almost completely washed out. This may have been the section of track which was destroyed by a very heavy thundershower in 1932. The railroad had discontinued its operations as a common carrier in 1916 but a "speeder" was used for transportation to the main line at Ludlow. The tracks were never repaired and in 1935 the rails were removed—the railroad's career was over.

By-passing the washout, a detour was made to the sites of a former ragtown and cemetery shown on the U. S. Geological Survey map of this region. We found no evidence of a cemetery. However, rock-bordered lots and a symmetry of roads indicated a possible townsite. Several of the washes had been dug by energetic bottle collectors. A cabin had stood in this area for many years; originally used by a claim owner, it had served as a campsite more recently. It was there in October 1960, but in September 1970 we found it burned to the ground.

Back on the railbed, we continued toward Stedman. The route was fairly easy riding with washouts from the drainage channels in the hills spaced some distance apart. This is where the trail bikes outshine 4-wheel vehicles. They can easily be ridden, or walked, down then back up the steep sides of the railbed at washouts.

The ability to travel at walking speed and the unrestricted visibility also make the trail bike a perfect partner for bottle, rock, relic and treasure hunting.

Pieces of purple glass had been observed along the railbed. We watched carefully as we rode slowly along and hoped to find a whole bottle. Several broken insulators were noted and a half-dozen railroad spikes were added to our collection of "Western Americana Junque."

Mines began to appear on both sides as the route led through the hills. An investigation of the Gold Standard mine yielded samples of gold-copper ore and a few bottles. Unfortunately, the latter were circa 1935-38 and not of interest to antique bottle collectors. Several other stops were made at mines and trash dumps before we reached the former Stedman townsite—a total distance over the railbed from point of origin of seven miles.

Today, Stedman is a ghost town with not one of its original buildings remaining. It is hard to believe, as one looks over the barren land, that some 45 build-



*Murphy Brother's mercantile store at Ludlow was once part of business district.*

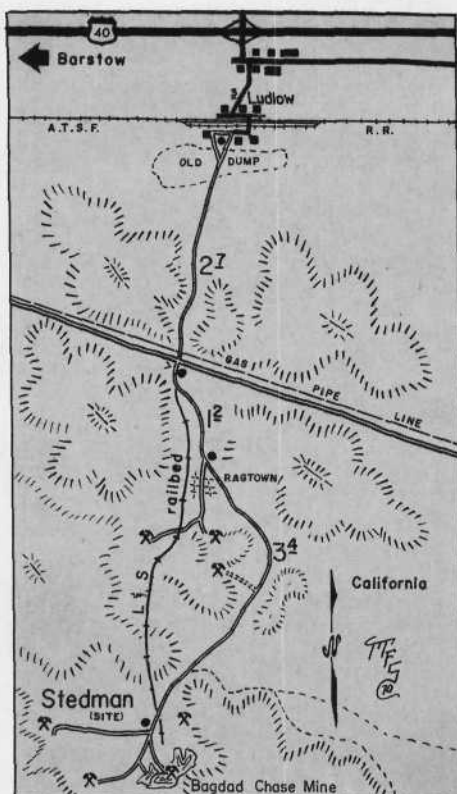
ings once occupied this site. Time has not been kind to Stedman since my first visit in 1958 when quite a number of the buildings were still standing.

As I recall, the main bottle dump was between two fairly-sized buildings—one of which appeared to have been a cook shack and mess hall. The dump has not been dug. I was only interested in "purple bottles" at the time and selected a fine Owl Drug, a ketchup and an inkwell for my collection. I also decided to take along an interesting ribbed, hour-glass shaped, green bottle because it was so unusual. These were all Bimal (blown-in-the-mold, applied lip) bottles made prior to 1910-15.

Stedman dates back to the late 1800s when John Suter, a railroad master with the Atlantic and Pacific, staked several claims in what became the Buckeye Mining District. He formed a company to develop the mines and in 1901 sold them to four prominent men associated with the New York Central Railroad — John N. Beckley, J. H. Stedman, Benjamin E. Chase of Rochester and Chauncey M. Depew of New York. A new company was formed—the Bagdad Chase Mining and

Milling Co. Production began almost immediately and the first ore was shipped to the Randsburg-Santa Fe Reduction Company's 50-stamp mill at Barstow for processing. A thousand tons of ore yielded \$17,111 after milling! Work on a railroad to deliver the ores to Ludlow began in May 1902 and was completed in June 1903 at a cost of \$80,000. The camp originally was known as Rochester, later to become Stagg and finally Stedman.

E. H. Stagg was made the general manager and the post office was named in his honor. It was he who was to rule the company town with an iron hand and dictate the camp policy which made life even more dreary for the miners. It was a "closed camp," which meant no liquor or the usual red-light district allowed. Nor was liquor even permitted to be hauled on the railroad. The unhappy miners soon found a way to celebrate Saturday night. Ludlow offered diversion under the direction of Mother Preston—a local personality who operated a saloon, lodging house and restaurant for many years. The remains of the old whiskey, beer, wine and gin bottles to be found around Stedman indicate the miners managed to



*Many of Stedman's buildings were still standing when the author took this photograph in 1958. Today they have all been destroyed.*

on the Mojave was evidently a bit damp in spite of efforts to the contrary.

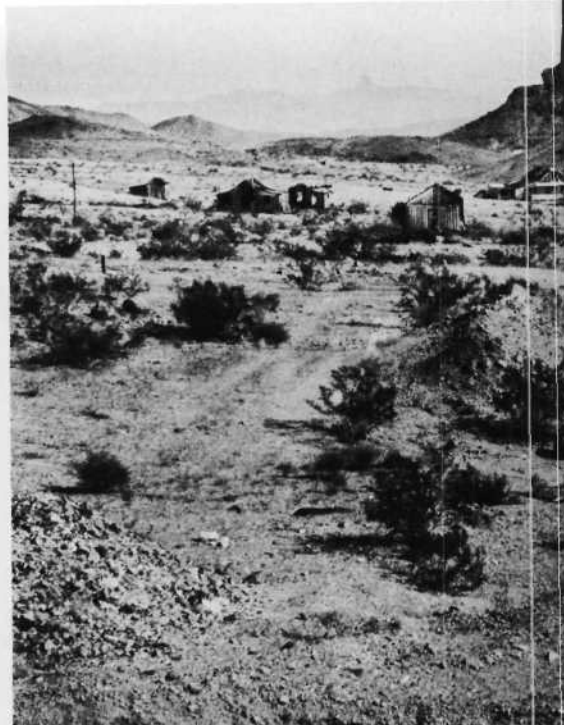
The Bagdad Chase mine was the single principal source of gold in San Bernardino County. It produced nearly 6 million dollars worth which was half of the total gold production of the county since 1880.

The ore occurs in a fault breccia zone. The breccia contains fragments of rhyolite and monzonite in a siliceous matrix which carries the gold and oxidized copper minerals, mainly chrysocolla. The ore body has been mined from three principal shafts—90 to 400 feet deep and a few hundred feet apart. The ore is siliceous and highly desired by smelters who gave the producers preferential treatment charges.

The Bagdad Chase was one of four mines in California allowed to operate during World War II due to the nature of its ores as a useful flux in smelting. After years of operations by various leasees, the mine was shut down in 1954.

Old Stedman offers a variety of things

smuggle some "snake remedy" aboard the train in spite of Manager Stagg's installing his brother as first engineer to prevent such happenings. Where there is a will, there is a way! The "driest" camp



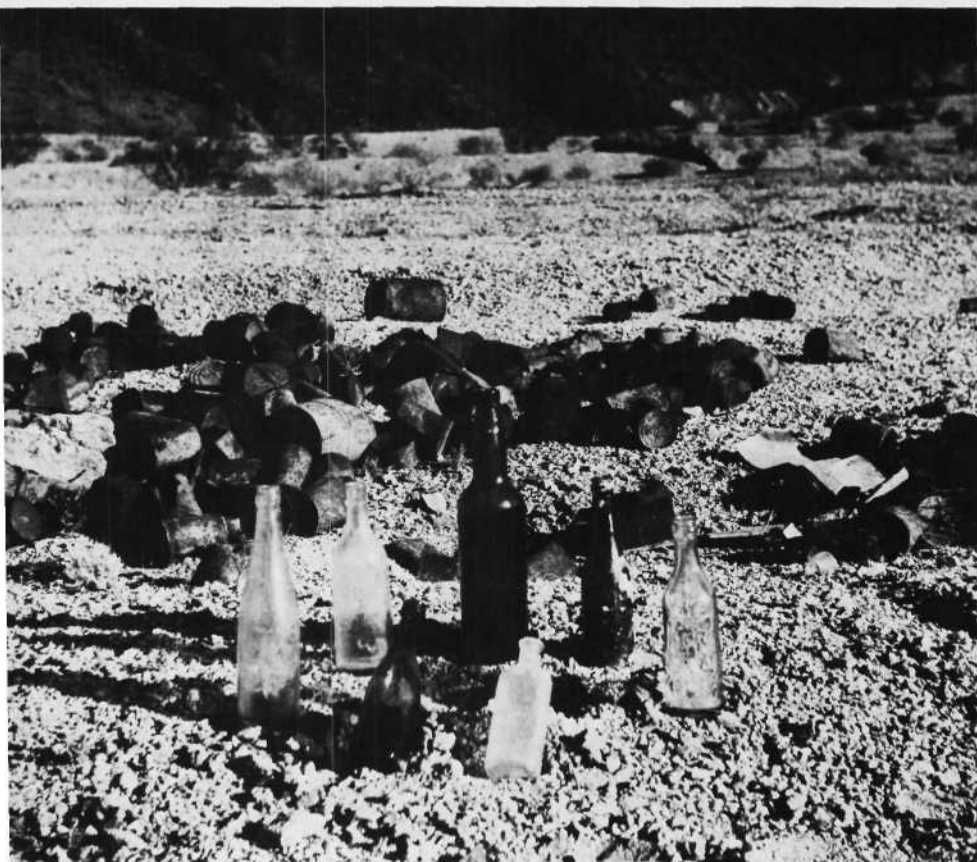
to do. The former townsite is located in a sheltered arm of the hills with an excellent panoramic view of Amboy Basin to the east. It makes a fine camping area. There are no facilities or water, but quite a bit of old lumber is still available for use in campfires. The road is graded over its entire length. After a long, dry summer there are generally a few loose, sandy places but all vehicles and trailers shouldn't encounter any difficulties with careful driving.

Some small but good ore specimens may be collected if your interest is in gems and minerals. There has been considerable collecting but a search of the dumps should yield some specimens. A small pile of ore just north of the old fuel tanks had some dandy ore in September 1970. Several pieces we picked up contained chrysocolla in brown matrix. This material polishes into nice cabochons resembling spider-web turquoise.

Exploration of the mine operation should also be of interest. There are several large dumps, the remains of a loading operation, mill site and several adits. Be sure to exercise caution around the open shafts—it is a long drop to the bottom!

Look around the remains of a small, concrete building. The ground is covered with used crucibles—many broken, some intact. An exceptionally good one now graces our coffee table as part of a dry arrangement. Many of the items found in areas such as this can be utilized very effectively as decorative pieces.

Partially buried fuel tanks are all that



*Old Stedman can reward the collector with some beautiful bottles—but it takes time and effort.*





recall the Ludlow and Southern railroad—except for the railbed. Across the bed, just a short distance west of the tanks, was the company store. The site is now barren ground.

The serious bottle collector, one who is willing to do considerable exploratory digging, should turn up some excellent finds if he can locate an old outhouse

site. A photo of Stedman in its heyday shows the outhouses lined up like soldiers in a straight line behind the houses. There has been some digging but not extensively. It is my personal opinion there are still good bottles to be found. I'm no digger. I prefer the easy way—float collecting. On a trip to Stedman in October 1969, I picked up seven good bottles by just investigating small piles of cans in the various gullies and washes.

The Stedman locale is an excellent location for cycle enthusiasts. You will find small groups encamped on many weekends. There is a variety of terrain to ride which will interest both the neophyte and experienced rider. Try some of the trails leading east. You will find an old road that leads to mines on the eastern side of the hills—all guaranteed to give your trail bike a good work-out.

Best of all, Stedman provides a place to just enjoy the desert. You will breathe deeply in the clean, fresh air and any taut, tense nerves will be revitalized. In this quiet locale, the desert is a great healing agent for all those who escape the frantic pace of modern life to ride the rails and trails of old Stedman. □



*Once a busy railroad junction, Ludlow still boasts a small population—so respect their privacy and property.*



# RAINBOW'S END...

begins with a

## GOLDAK TREASURE LOCATOR!



### "COMMANDER" 720

This Goldak Treasure Locator is unsurpassed for locating buried treasure, coins. Civil War relics and for beachcombing. Features "Tell-Tone" Signal. Locates any metal object under dirt, sand, mud, rock, etc. No cumbersome cords—completely transistorized, battery powered.

*When it comes to finding your pot of gold, go with the leader—go with Goldak!*

#### EFFECTIVE DEPTH RANGE (Under Normal Conditions)

|           |                       |
|-----------|-----------------------|
| 3" ...    | Bullet                |
| 7" ...    | Penny                 |
| 8-12" ... | Silver Dollar         |
| 18" ...   | Pistol                |
| 24" ...   | Jar of Coins          |
| 30" ...   | Kettle                |
| 36" ...   | Placer Gold Deposit   |
| 48" ...   | Metal Chest           |
| 60" ...   | Large Metallic Object |
| ?         |                       |

Start out right—send \$1.00 prepaid for authentic gold-plated replica of a Spanish doubloon found off Cape Kennedy.



**GOLDAK** THE GOLDAK COMPANY, INC.  
1101-A Air Way  
Glendale, California 91201

- ☐ Please send free literature on GOLDAK treasure locators.
- ☐ I enclose \$1.00 prepaid for my gold-plated doubloon replica with pouch.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

# UTAH LOOP TRIP

by

Enid C. Howard

**I**F YOU have a restless curiosity about this old earth and all things within it and on it, Utah's back roads are for you. A trip through east-central Utah will take you into scenic regions which are a part of the State's frontier history and a geological treasure house.

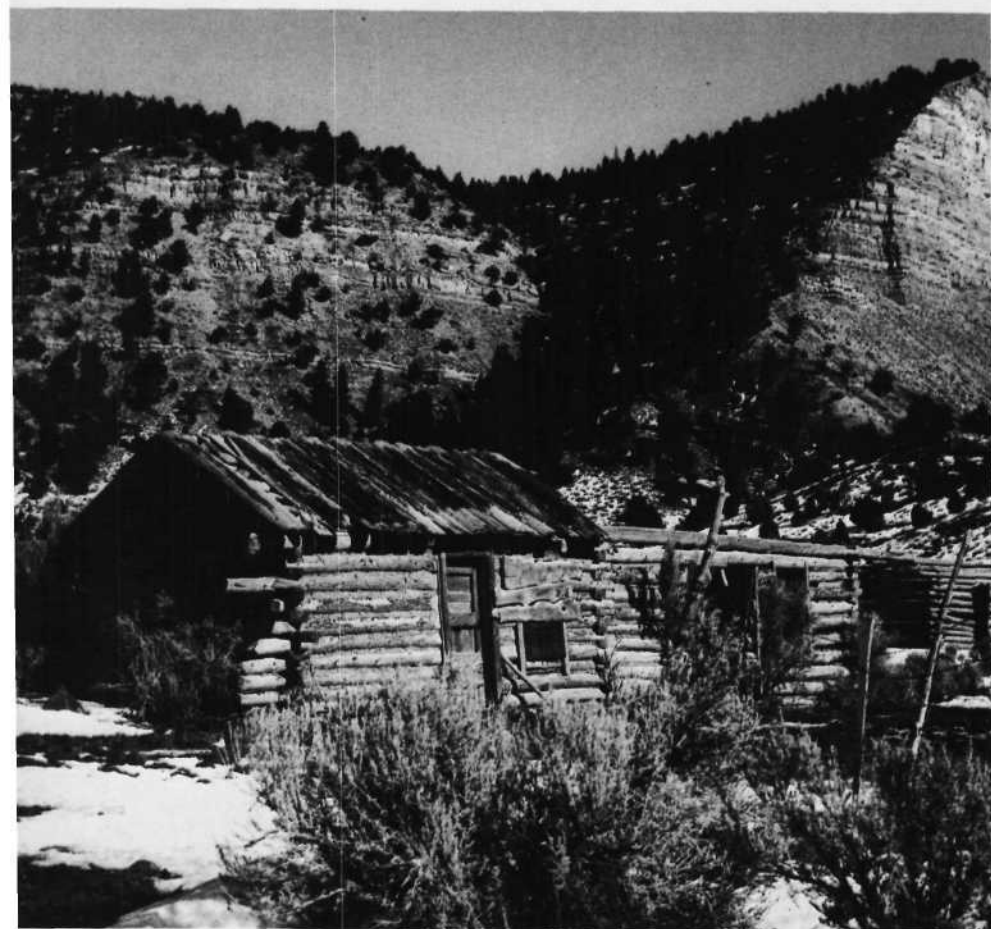
The trip is to two museums, recalls some of the events of the 1800s in the Utah Territory, introduces the visitor to dinosaurs, Indian petroglyphs, the Ute Tribal Headquarters at Fort Duchesne, and the Castlegate coal mine office where Butch Cassidy and friends heisted the mine payroll in 1897.

The 140 mile circle trip begins at Price, Utah, at the junction of U.S. 6-50 and Utah State 10. Founded in 1879, Price is the county seat of Carbon with a population of 7000. At an elevation of 5600 feet and a moderate climate, Price is proud of its position as the "Center of Southeastern Utah's Empire." When leaving Price, carry drinking water, lunch and a full tank of gasoline.

Before leaving, stop at the Price City Hall (open 8 to 5 daily except Sundays and holidays) to view the murals by Lynn Faucett. They depict the early history of the town and its citizens. On the second floor the College of Eastern Utah maintains a free Prehistoric Museum of local geological and archeological interest with dinosaur bones, fossils, ancient marine life, minerals, Indian artifacts and skeletons.

The star of the exhibits is "Al," the 140 million-year-old Allosaurus Dinosaur which was removed from the Cleveland-Lloyd Dinosaur Quarry, 30 miles south of Price. The Quarry is not on the trip route but is well worth a side trip.

Travel east on U.S. 6-50, past Wellington, turn left onto Utah 53, and begin a mile log, driving north towards Nine Mile Canyon. There is ten miles of pavement, then a graveled dirt road with an easy climb to the top of the grade where



*Deserted cabin still stands in Nine Mile Canyon.*



*Part of an early 1900 ranch  
operation in Nine Mile Canyon.*

we descend into Nine Mile. (All roads on trip are accessible to passenger cars, but heed weather warnings on Gate Canyon road.)

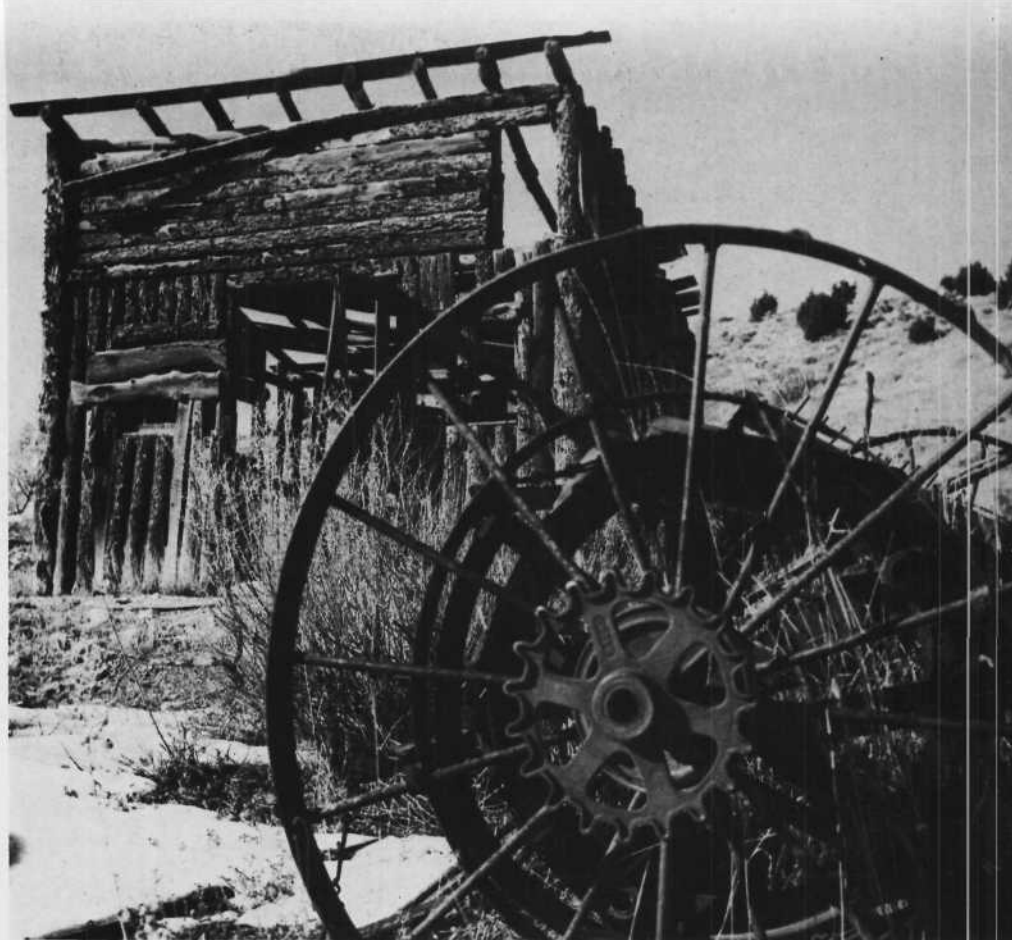
Old log cabins along the road are good subjects for the photographer. The wind-swept polished skeletons of the old buildings sag, and axe cuts on the hand-hewn logs made 100 years ago are still visible along the surface and dove-tailed corners.

Trappers, miners and settlers following the waterways in the Utah Territory in the 1800s lived here briefly, then moved on. Many left something to mark their passing. Across the field a fence line is visible, near the cabin a tree was planted, or a gravesite is marked.

Nine Mile Canyon is sparsely settled today, but in prehistoric times was occupied by the Fremont Indians. The dating of ruin sites there by archeological and anthropological teams from the Peabody Museum of Harvard University is being on dendrochronology (tree ring dating). These studies place the culture in the canyon between A.D. 915 and A.D. 1151. Shards, petroglyphs and construction details add data to the overall evaluation of the ancient people who lived in Nine Mile. The canyon ledges are chaotic in formation, but petroglyphs are to be seen along the walls at road level to 50 feet up.

With glasses one can search the high-est ledges for ruin sites. At about 34.7 miles, at Harmon Canyon junction, (a gas pipe line crosses under the road) there are many petroglyphs on boulders beside the road. In photographing petroglyphs it is best to shoot from the side or slightly below and up at the figures, choosing an angle (according to position of sun) that will produce shadows within the pattern. (See *Desert*, June '71.)

Mile 39.2 reaches the Nutter Ranch. Drive slowly as the road is through the ranch yard and there are peacocks and



dogs loose. Photographing the old cabins and the peacocks is permissible if one can get close enough, but the owners request that visitors not linger as this is a very busy working cattle ranch.

Leaving the canyon at mile 39.7, the Myton-Duchesne sign directs you left. (Do not turn right, that is a jeep road and dead ends.) This road through Gate Canyon to Myton was one of the first roads in the Territory of Utah, and a killer for the teams freighting supplies from Price to the settlers in the Uintah Basin and the Military Post at Fort Duchesne. The road was built by cavalry troops after the Meeker Massacre at White River, Colorado on September 29, 1879.

In the spring of 1878, Nathan C. Meeker, an easterner with political connections but no experience with Indians, was appointed the Indian agent for the White River Agency. His determination to force the Ute Indians to adopt the "White Man's" way of farming and living led to arguments, bad feelings and finally the battle that ended in death for himself and most of the staff at the agency.

The Meeker affair resulted in the White River and Uncompahgre Ute bands in Colorado being moved to the reservations of the Shoshonean Utes in Utah.

Fort Duchesne was established as a fort and Indian agency at that time.

There is a sign at the top of the grade out of Gate Canyon that reads simply, "Hill." Stop here briefly to look out across the grey, eroded Bad Lands Cliffs to the north where the High Uintah Mountains rise to the sky in magnificent splendor. The Uintahs are the only major mountain range in the United States lying east and west.

The High Uintah Primitive Area, timbered and dotted with glacial lakes, is located in the Ashley and Wasatch National Forests. It includes 244,000 acres in the very heart of the range, extending from Mirror Lake on the west to King's Peak on the east. King's Peak at 13,498 feet, is Utah's highest mountain.

Drive north until you reach U.S. 40, turn right and continue through Myton to Roosevelt. If you decide to stop overnight in Roosevelt, the Frontier Motel and Restaurant provides comfortable accommodations and good food.

When leaving Roosevelt, continue east on U.S. 40 to Fort Duchesne road. A historic marker near the Whiterocks turnoff sign tells the story of Fort Robidoux, located near Whiterocks in 1832, which served as a trading post, fort and travelers' stop until it was burned by Indians in 1884.

*continued*

Today, Fort Duchesne is headquarters for the Ute Tribe and Bureau of Indian Affairs Agency administering the Uintah and Ouray Reservation. Visitors are welcome at the Arts and Crafts shop where original Ute handicraft may be purchased. Charming Maxine Jack, who is in charge of the craft shop, will make you welcome and assist in your selection of beaded belts, ladies handbags, moccasins or an embroidered shawl.

Two annual events of the Utes are open to visitors, but you must write the Roosevelt Chamber of Commerce for dates as they are not known more than a few weeks in advance.

Late March or April is the Ute Bear Dance at Ouray and Randlett, a four-day event celebrating the advent of spring. Late July or early August is the Ute Sun

Dance at the Sun Dance Grounds between Whiterocks and Neola.

Leaving Fort Duchesne, travel west 37 miles to Duchesne and stop at the National Forest Headquarters to obtain brochures on the surrounding country. Ranger Eldon Wilkins is a mine of information on the flora and fauna, particularly on the bird life, resident and migratory, of the Uintah Basin.

At Duchesne take State 33 south. This is excellent paved road, grades are high gear and the summit is but 9100 feet. The road leads you into the Ashley National Forest as the sagebrush slopes of the lower elevations give way to cedars, junipers, then pine, fir and aspen trees.

Utah's high desert country in spring and summer is a travelers' delight. The warming sun releases the fragrance of

pinions, pines and sage. The red and brown earth pushes sego lilies, (Utah's state flower) purple sage, delicate white primroses, rosy-hued pentstemons, bright red Indian paintbrush, red, yellow and lavender cacti, and stately purple lupine out of their winter beds to spread their glory another season.

Soon we are in Castlegate, Utah, and back in Carbon County. Pioneers traveling south through what is now Price Canyon were awed by the steep rugged walls, and pictured the narrows at Castlegate as the crenellated gates of a medieval castle. The name persisted through common usage as a means of locating that certain place in the wild canyon north of Price City.

Carbon County is known as "The Power House of Utah." It has produced coal continuously since the deposits were first discovered in the 1800s, and has vast reserves that have never been mined.

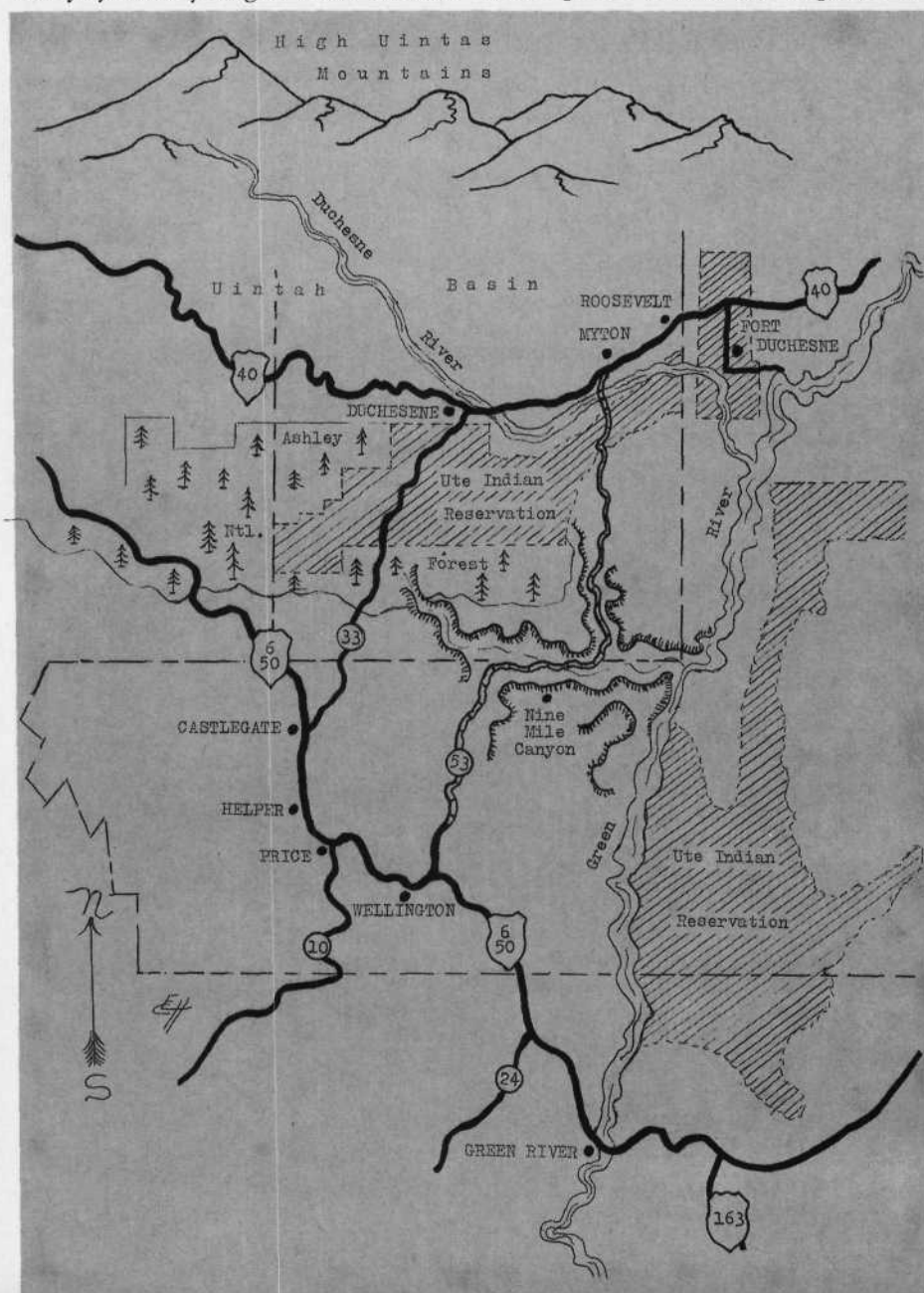
Castlegate has changed little since the early mining days at the turn of the century. Frame houses line the one street, and most miners live and shop in Helper three miles south. One can stop and talk to some of the old-timers walking and sunning in groups of two or three.

Possibly the most startling claim to fame the Castlegate Mine has is that it was the scene of the Castlegate Payroll Robbery by Butch Cassidy and Elzy Lay, with some assistance from Joe Walker. These boys and their hell-raising pals were known as "The Wild Bunch."

The old native stone building with the date 1890 on the front still stands, the second floor is the mine company offices, the steps still rise on the left outside the building. The offices have been modernized and are light and pleasant.

In 1897, the downstairs part of the building was a general merchandise emporium, and more or less the town center to exchange local news. However, the street in front of the building was deserted on April 21, 1897, when Butch Cassidy and Elzy rode into town on their fancy horses, pretending to be on their way to race in Salt Lake City.

The mine payroll was due on the train, and the paymaster always collected the money satchel as the train stopped on the tracks alongside the building, then walked back up the stairs. He saw no reason to change his routine just because there was a cowboy lounging in front of the store. He realized his error after two steps up when he felt a gun in his back





and heard Butch speak softly, "I'll have that bag." It contained \$8,800.

It was a brazen holdup, but then Butch and Elzy were not known to suffer from shyness. The boys got the money and headed down Price Canyon to Gordon Creek where Joe Walker waited with fresh horses. From there they rode south and disappeared in the wild canyons of the Robbers Roost country. The money was never recovered.

Your next and last stop will be at Helper. Follow the signs on U.S. 6-50, but you must swing left into the business section. Visit the Miners Museum where the large statue of "Big John" stands very tall and proud in front of the building. Visiting schedule from May 30 to

Labor Day is 9 a.m. to 8 p.m. every day, including Sundays and holidays.

The exhibits range from old methods of mining to illustrations of modern coal mining machines. Old drills, lights, carts and other equipment used in local mining operations, as well as newspapers, affidavits and photographs are displayed. Dinosaur tracks cast in coal are also on display.

With the return to Price, our circle tour is ended. Because of the unique structure of Utah's land forms, its ancient cultures, its pioneer heritage, we have observed some of the history of this old earth, interwoven with the history of man on a small scale along Utah's back roads.



# Desert Life

by Hans Baerwald

Although a common desert dweller, the kangaroo rat is seldom seen due to its nocturnal habits, disappearing underground during the daylight hours. Baerwald used a 35mm Topcon with a 110mm lens to capture the little fellow.



## OPEN NOW! Big Bear Marina

The only  
complete  
marina  
to  
serve  
you



BOATS  
Fishing  
and  
Pleasure

**Reserve Now**  
**Save with Season Rate**  
**SLIPS and BUOYS**  
**714-866-3218**

## Big Bear Reservations Service

For Lodging in  
Private Mountain Homes

**(714) 866-3671**

**Keith G. Nichols**  
Capt. USN (Ret.)

Mix Real Estate (Next to Bank of America)  
P.O. Box 245, Big Bear Lake, Calif. 92315



Fireplaces - Heated Pool - TV  
P.O. Box 5404, Big Bear Lake, Calif. 92315  
Telephone (714) 866-4335

**GIL and GLORIA DICK ALL YEAR RESORT**

HANDMADE

NAVAJO

HOPI

ZUNI

JEWELRY

KACHINAS, MOCCASINS,

RUGS, DEAD PAWN

# White Dove Trading Post

Big Bear Lake, California

## SUMMER TIME IS MOUNTAIN TIME

*continued from page 25*

the Western United States.)

Space limits a detailed description of the many off-roads and history of the area through which State 38 travels. The map at the Mill Creek Ranger Station will provide the former and for an excellent history and travel guide, I recommend *A Guidebook to the San Bernardino Mountains of California* by Russ Leadabrand.

Historically, the highway follows trails first blazed by Spanish explorers and later enlarged by prospectors headed for the gold strikes in Holcomb Valley above Big Bear Lake. (See *Desert*, August '70.)

Geographically, it follows Mill Creek (now dry) to a sharp left turn where the highway ascends the mountains to the little community of Angelus Oaks and then continues up through the Barton Flats area and Jenks Lake. From there it winds skyward to its highest point at Onyx Summit (9,000 feet) and then descends to Big Bear Valley.

For an interesting side trip before heading up the mountain to Angelus Oaks continue ahead at the before-mentioned "sharp turn" through Forest Falls and Fallsview to Big Falls. Dropping 500 feet, the two cascades from the largest waterfall in the San Bernardino Mountains. (Caution: More than 25 people have been killed trying to climb the falls, so stay on designated trails.)

## INFORMATION CENTERS

Following are the main Ranger Stations of the U.S. Forestry Service where free maps and camping information may be obtained.

Forest Supervisor's Office, Civic Center Building, 175 W. 5th Street, San Bernardino. AC714 884-3111, Ext. 231.

Arrowhead Ranger Station, Highway 18, Rimforest. AC714 337-2444.

Big Bear Ranger Station, Fawnskin. AC714 866-3437.

Lytle Creek Ranger Station, Lytle Creek Canyon. AC714 887-2576.

Mill Creek Ranger Station, Bryant Street and State 38, Mentone. AC714 794-1123.

The free maps show in detail the paved highways, back country roads, communities, camping sites, fishing streams and lakes, restricted summer fire areas, plus other information on the San Bernardino Mountain Recreational Area.

There is an excellent U.S. Forestry Service campground just past Fallsview. From the campground, hiking trails lead into the San Geronio Wilderness Area and to Mt. San Geronio, whose elevation of 11,502 feet makes it the highest peak south of the Sierra Nevada Mountains. Other hiking trails into the San Geronio Wilderness Area, one of the most spectacular and rugged in Southern California, start from Angelus Oaks and Barton Flats.

Whether for a cup of coffee or dinner, a stop at the San Geronio Restaurant in Forest Falls is an interesting experience and a gourmet's delight. Historic artifacts, and an old-time player (still used for jam sessions) are a paradox with the shelves of canned goods of imported exotic foods such as shredded coconut from Hawaii and delicacies from Europe and the Orient. It's owned by two refugees from smog—one a former restaurateur and the other a musician. Where else can you buy genuine Ragtime Sarsaparilla from England for 20 cents a bottle?

Returning to State 38, continue up the







*Big Falls, near the community of Forest Falls is the largest cascade in the San Bernardino Mountains. An excellent public campground is in the vicinity.*



*Big Bear Lake offers year-round fishing for trout and bass and is the only lake which allows water skiing and visitors to launch their own boats.*

hill to Angelus Oaks where another stop is recommended as it is the last service before reaching Big Bear Valley. Ask "Sturdy" Smythe, owner of the restaurant, to show you the community's pride-and-joy—their privately purchased and voluntarily manned red fire engine.

For drivers who know how to handle

a passenger car on a semi-graded road there is a side trip from Angelus Oaks down the slight mountain grade to a beautiful picnic area (no overnight camping) by the Santa Ana River. Although only the size of a good creek, the river is stocked with trout. Before making the trip check with Smythe or someone at

Angelus Oaks as to how to reach the road and its condition in case of rain. It is NOT passable by camper vehicles, but easily made by four-wheel-drives. The area also can be reached by going up State 38 and then back tracking on a paved road.

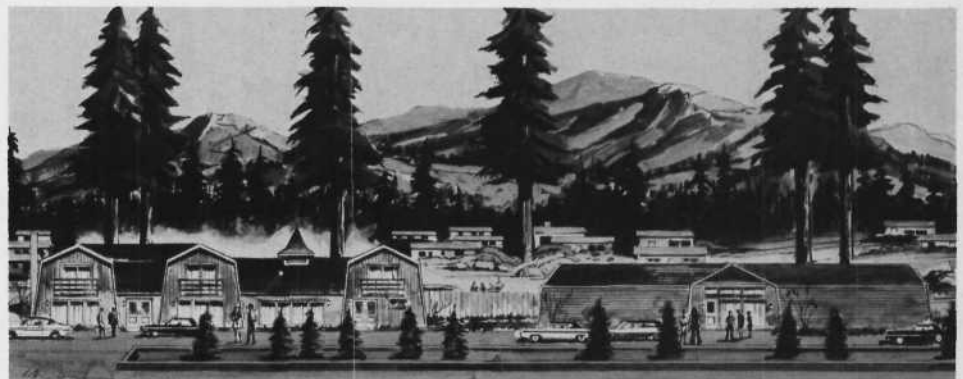
At the river bottom, the graded road

*Casual Living is A Way of Life at . . .*

## Shorewood Park Mobile Estates

**NOW LEASING!  
IN  
BIG BEAR CITY**

Come prepared to relax . . . to enjoy life in the clean, clear, pine-scented mountain air of Big Bear. Shorewood Park Mobile Estates offers to all tenants:



Gas, Electricity, Sewer, Phone and Cable TV connections at all spaces • Heated Olympic-size Swimming Pool • Heated Therapeutic Pool • Men's and Women's Saunas • Fully equipped Exercise Room • Recreation Room with Full Kitchen • Billiard Room • Card Room • Color TV Lounge • Children's Play Room • Protected 3-Acre Playground • Complete Modern Laundry Facilities • Hair Dryers • Storage for Boats, Motorcycles, etc. • Wide Paved Streets • Ample Tenant and Guest Parking • Security Patrol • Lofty Pine Trees at Each Space • Adjoins U.S. National Forest

**In Los Angeles . . .**

8362 West 3rd Street, Los Angeles, Calif. 90048  
Telephone (213) 651-3187

**In Big Bear City . . .**

391 Montclair Drive (at Hwy. 38)  
Big Bear City, Calif. 92316 Telephone (714) 585-3216

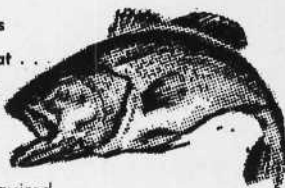
**SOON TO BREAK GROUND FOR YUCCA VALLEY MOBILE ESTATES**

*With the exception of the "dry camps" the majority of the U.S. Forestry public camp grounds have complete facilities. Overnight camping is restricted to designated areas due to fire hazard.*

There's Always

Good Fishing at . . .

## SIMMON'S TROUT LAKE



No License Required

High in the San Bernardino Mountains in the tall pines of Big Bear Lake. This stream-fed lake is stocked with 1/2 to 1 1/2-pound trout and has a picnic ground included in its pine-surrounded majesty. Located 2 miles east of Big Bear Lake Village, just off Highway 18. Telephone (714) 866-4532.

# San Gorgonio Lodge

Clean Air - Fabulous Food

Gourmet Dining - Fine Music - Cabins

Trail and Fishing Information

Forest Home Blvd., Forest Falls Calif.

(714) 794-2515



# SNOW SUMMIT SKY CHAIR

*Southern California's*

*Most Scenic*

*Ski Lift Ride*

(714) 866-4621

Box 77, Big Bear Lake, Calif.

1 Mile East of Big Bear Village



connects with a good paved road to Seven Oaks Resort, also on the Santa Ana River. Here there are camping facilities, cabins, a restaurant, swimming pool and good hiking and motorbike trails. One of the oldest resorts in the San Bernardino Mountains, its former guests included Teddy Roosevelt and Will Rogers. All of its original buildings, with the exception of one landmark, have been replaced by modern facilities. From Seven Oaks it is only three miles by paved road back to State 38, which terminates at Big Bear Valley.

There are several communities in Big Bear Valley, all of which cater to the casual visitor and to the potential home owner. Mobile home parks are a favorite type of mountain dwelling in this area. One of the newest is the Sherwood Park Mobile Estates on Highway 38 near Big Bear City whose two-story mountain-type structures little resemble a "mobile home."

A new concept in a planned community, the mountain resort has gas, electricity, sewer, phone and cable TV connections in all spaces, plus Olympic-size heated swimming pools, therapeutic pools, exercise rooms, paved streets, and boat storage in the 34 acres nestled among the pine trees.

Main community is Big Bear Lake which annually hosts Old Miner's Days, a "Wild Western Celebration" which will be held this year from July 30 through

August 9. Residents dress in Western costumes as they celebrate the discovery of gold in the area. Each day features a variety of activities, including dances, contests, carnivals, shoot-outs, melodramas and rodeos. The famed "Wild Ass Race" will be held August 5.

Another celebration which will be held for the first time this year on the weekends of September 24 through 26, and October 1 through 3, is the "Oktoberfest," based on the original "Old Country" festivities signaling the harvest of hops for beer. See article in this issue.

## California State 18

If approaching the San Bernardino Mountains from the Victorville area or the eastern part of Riverside County, the most direct route is State 18 from Lucerne Valley and the connecting paved highway from Yucca Valley. Originally called the Johnson Grade and Sunshine Route, State 18 from Lucerne for many years was the only winter access road to Big Bear Lake which was named after its original inhabitants, the grizzly bears.

Today those original inhabitants, Indians and old-time prospectors have been replaced by year-round residents and visitors who roam over the San Bernardino Mountains looking for snow in the winter, sun in the summer and just plain contentment in one form or another. They may not find everything they are looking for—but it is evident they are having a good time trying. □



# Fun at Oktoberfest

Patterned after the original Bavarian festivities held to celebrate the harvesting of hops and sampling of lager beer, the first annual "Oktoberfest" will be staged by the merchants and residents of Big Bear Lake.

Although the San Bernardino Mountains are not as large as the Alps and there are no hops to harvest, the American version of the German festival will be just as lively—and the sampling of European beer just as spirited.

In addition to the beer bars there will be German food, a chicken stand, carnival booths, merchandise stands and an outside picnic area. Entertainment will include an 18-piece Bavarian band, Bavarian dancers, teen-age Polka dancers and other groups.

To set the pace for the festivities, which will be held on the weekends of September 24 through 26 and October 1 through 3, residents will dress in Bavarian costumes. Center of activities will be a giant "Festent" at Snow Summit. Admission will be free.

For additional information on the "Oktoberfest" write to the Big Bear Lake Valley Chamber of Commerce, P. O. Box 2860, Big Bear Lake, California 92315.



## WAWONA Guest Lodge

Open All Year - Housekeeping Cottages  
Individual Rooms - Group Facilities

FOR THE YOUNGEST: Large play area, swings, slides, merry-go-round.

FOR THE YOUNG: Volley ball, badminton, Shuffleboard, Ping Pong.

FOR THE YOUNG AT HEART: Swimming Pool, card tables, movies, cruises, barbecues.

P. O. Box 34, Big Bear Lake, Calif. 92315  
Telephone (714) 866-2644

Under the Owner-Management of  
**HANS and ERIKA BANDOWS**

## Robinhood Inn and Lodge

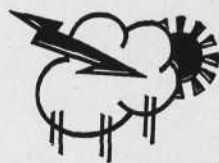


Luxury Accommodations  
Fireplaces Color TV

Restaurant and Cocktail Lounge

Right In Big Bear Lake Village

P.O. Box 2826, Big Bear Lake, Calif. 92315  
Telephone (714) 866-4643



## THUNDER CLOUD LODGE

**TOTAL RECREATION  
FOR  
ADULTS AND CHILDREN**

Enjoy Our Heated Pool  
Outside in Summer—Enclosed in Winter

In the Village On the Lake Shore

One Block from Boat Landings

32 Motel Units with Kitchenettes

Color TV and Fireplaces

FAMILY GROUP AND COMMERCIAL  
ACCOMMODATIONS

King-size Beds Music Complimentary Coffee



Five Minutes to Ski Areas

All Major Credit Cards Accepted

P.O. BOX 1199, BIG BEAR LAKE, CALIF. 92315

TELEPHONE (714) 866-4543

## Willkommen to . . . Happy Hill

**Summer and Winter Resort  
OPEN ALL YEAR**

Alpine Cottages with Modern Conveniences

For Families and Groups

Completely Equipped Kitchens

Fireplaces - Heated Pool - Tennis Court

Other Family Games - Children's Area

2 1/2 miles east of Dam on Highway 18,  
South Shore

**Frau Wilma Schaefer, Your Hostess**

Happy Hill Resort, P.O. Box 2805

Big Bear Lake, California 92315

Phone (714) 866-2559

## Kirkbrides Cottages

**OPEN YEAR-ROUND**

Large Cozy Fireplaces

Television Heated Pool

Just West of Big Bear Lake on State 18

P.O. Box 5425

Big Bear Lake, California 92315

Phone (714) 866-2010

**TED HANSEN, Manager**

## FREE-CATALOG



### FUN & PROFIT WITH METAL DETECTORS

GOLDAK, WHITE'S, DETECTRON, RAYSCOPE

Prospecting and Hiking Equipment  
Books — Topo Maps

FREE—Indexes for Topo Maps, stock Western states, each state has index.

### JACOBSEN SUPPLIERS

9322 California Ave., South Gate, Calif.  
Phone 569-8041 90280

## METAL LOCATORS

By

Roth



\$27<sup>50</sup> to \$149

8 Models (complete)

"EL DORADO"

TO "SCUBA LOOP"

SEE YOUR DEALER  
OR WRITE FOR  
FREE LITERATURE

**ROTH INDUSTRIES** Dept. 70

Worldway Box 90993  
Los Angeles, Calif. 90009

## TREASURE HUNTERS -PROSPECTORS-

FREE

## CATALOG

### METAL-MINERAL DETECTORS

WHITES - METROTECH - GOLDAK

DETECTRON - FISHER

EXCELSIOR - PRECISION

DREDGES  
DRY WASHERS  
MAPS  
SLUICE BOXES  
ROCK TUMBLERS  
TOOLS  
ASSAY KIT  
MINERAL LIGHTS  
OTHER  
RELATED EQUIPMENT

## AURORA

6286 BEACH BLVD.  
BUENA PARK, CALIFORNIA 90620  
Phone (714) 521-6321

# Rambling on Rocks

by

Glenn

and Martha Vargas

### GEM CUTTING: The Amateurs Outlet

OUR PAST columns have been concerned with the various mineral materials that are most popular with amateur gem cutters. Minerals such as agate, jasper, opal and turquoise can be made into many different types of gems. The final choice may be dictated by the shape, color, clarity, size or other characteristics of the rough piece. In some cases, the shape or type of finished gem will be determined by the wishes or ability of the gem cutter himself. The average person who has seen gems only in jewelry stores is often very surprised to learn there are a number of types of gems, and that each can vary greatly in shape.

The most common type of gem the amateur produces is known as a cabochon. This is usually an oval or round stone with a domed top. The name comes from the French word for cabbage, and is sometimes used as a slang expression for bald head. The shape of a cabochon

will not, however, always resemble a cabbage or bald head. It may be such a low dome as to appear flat, or it may be a number of times higher than wide.

The stone may be rectangular, with a flat top and beveled sides, or almost any shape that can be executed on the machinery at hand. Usually, opaque materials are cut as cabochons, but transparent minerals are also given this treatment. A true definition of a cabochon is difficult to describe, but we once heard a friend expound one that we liked. He said a cabochon was any gem with a flat base that could be held at the edges and thus set in a piece of jewelry. Obviously, this leaves much latitude, but any definition of a cabochon demands much latitude.

The gem shape of second place in popularity is known simply as a "flat." It may be round, oval or irregularly shaped, but must have the two greatest surfaces flat and parallel. It may be a huge slab one-fourth to an inch thick and over a foot across; or it may be a cube, like a pair of bookends, or some other flattened shape. Many types of materials, including those unsatisfactory to make cabochons, are cut into flats.

Carving falls somewhere near third in popularity. The person who suddenly becomes aware of an amateur doing carvings is really surprised. He has usually thought of carving as something either quite large, or something very small and intricate. The usual carving in such a person's mind is a horse's head, a bird or a nude figure. Surprisingly, amateurs seldom execute these. The amateur usually confines himself to such things as fish, leaves, flowers or other articles that can be worn as jewelry. These are much less time consuming, and the jewelry is more meaningful than something that must be kept on a shelf. Also in the carving class, at least in our minds, is what is known as a freeform cabochon. Many of these do not resemble the usual cabochon, but there is a kinship.

The freeform is just what the name implies, a flowing shape with little or no symmetry. These can be as simple as a slightly off-shape oval to as sweeping as to almost resemble a fish or bird. A true freeform should not closely resemble anything, for if it does, it then should be classed as a carving. Thus it is readily apparent that there is a very fine line separating freeform cabochons from carv-

## FREE Gigantic Gem Maker's CATALOG

From the manufacturer of the world's largest selection of gem making equipment. Over 200 wanted items you can purchase from your favorite dealer. Write

**Covington**  
SINCE 1848  
Box 35, REDLANDS D,  
CALIF. 92373



ings. The materials used in this class of gemstones can be almost anything that can be shaped; the most desirable is that which has a special color, or color pattern that can be utilized in the final shape.

The fourth class of gem cutting amateurs practice is known as faceting. A faceted gem is one that is usually flat for part of the top, and conical beneath, and covered with many small flat faces. The diamond in nearly every engagement ring is faceted. This art is somewhat set apart from other types of gem cutting, as it is not done on the same type of machinery as the three types discussed above. We shall devote a later column to the story of faceted gems.

How are cabochon gems cut? Each type of gem, and each variation calls for special techniques, and sometimes special equipment. In general, the actual process of shaping a gem is remarkably similar. Basically, each process calls for the following steps: 1, general shaping of the rough piece to approximately the desired shape and size; 2, a smoothing process that will end in the exact final shape and size, and, 3, the polishing of the surfaces. We will discuss the first two here, and leave polishing to our next column in the September issue.

The removal of unwanted stone is where the "art" comes into gem cutting. Some wise person once said if one wished to carve an elephant, all he had to do was remove everything but the elephant! This may be a facetious statement, but it holds much truth. If we want an oval cabochon, we remove all but the cabochon, and this generally holds for any other type of gem. For this operation, we must have the assistance of machinery.

The most common machine is a grinding wheel. It closely resembles the wheel the machinist uses to sharpen tools. The wheels in both cases are made of a very hard abrasive substance known as carborundum. It is nearly as hard as diamond. Particles of this abrasive are held together with a porcelain-like cement. The rough pieces of gem material are held against a turning grinding wheel, and the unwanted portions are actually ground away. The wheel is bathed with water to keep the stone and hands cool.

As soon as the future gem is "roughed out," the grinding process is finished. The grinding wheel leaves a rough texture to all surfaces. It is covered with

somewhat deep scratches and shallow grooves, and will depend upon the type of wheel used, and the steadiness of the hand of the gem cutter. At this point the final smoothing, usually known as sanding, begins. The deep scratches must be reduced to virtually no scratches before polishing begins. This calls for a surprising process. The only way we can remove the deep scratches is to cut them away with more hard abrasives, but leave smaller and smaller scratches. In actuality, we do not remove scratches, but remove the high spots between them. We remove everything but the scratches! As the process progresses, we replace scratches with smaller and smaller ones until they can be seen only with magnification.

The types of wheels that do this may be made of rubber, into which fine carborundum particles are embedded, or they may be made of cloth to which the particles are glued, and the cloth backed with sponge rubber or felt. The process is a gentle removal of material. Because the sanding wheel is soft and pliable, the shape of the gem is changed very little, and only enough material is removed to eliminate scratches. When this is done thoroughly and carefully, the gem is ready for polishing.

The producing of a "flat" calls for the same sequence of smoothing, but it is done on a perfectly flat wheel, usually made of metal. First coarse carborundum grit is used to remove any surface irregularities. Then the wheel is carefully cleaned, and finer grit is used, followed by more cleaning, and more fine grits.

The acts of removal of material and surface smoothing of carvings are virtually identical to that of cutting cabochons, except that a much more practiced hand, and a feeling of line and form are necessary attributes of the gem cutter. The person that carves must really be an artist.

## **GOLD!** YOU FIND IT WITH **KOVACS CUSTOM MADE METAL DETECTORS**

**HIKER 11T. All Transistor \$185.00**

Detect Placer Gold, Lode Veins, Coins

Interchangeable waterproof Loops

**4 YEARS WARRANTY- FREE LITERATURE**

Now available underwater Metal Detector

**MIKE KOVACS**

10123 Stonehurst Ave. Ph. (213) 768-0114  
Sun Valley, Calif. 91352

**FOR FASTER SERVICE  
ZIP CODE YOUR MAIL**

## **Authorized JEEP Sales and Service**

**LARGEST SUPPLY OF  
NEW AND USED JEEP PARTS  
IN THE WEST.**

*Looking for a Jeep—Try us!*

**BRIAN CHUCHUA'S  
FOUR WHEEL DRIVE CENTER**  
Dept. DM 1625 S. Harbor Blvd.  
Fullerton, California

## **Make Your Outings More Fun**

*and Profitable Too!*

### **METAL DETECTORS**

- Detectron
- Excelsior

Get the Best . . .  
Top Guarantee . . .  
Easy to Operate  
From  
**\$64.95 to  
\$165.00**



**Find  
Gold  
Old Coins  
Treasures**

**Stop By And See Our . . .**

Western Artifacts, Indian Collection, Jewelry Display, Lapidary Equipment, Tumblers, Gold Pans, Dry Washers, Books on Treasures and Lost Mines and other items of fun for the entire family. For information just write to or call:

## **COMPTON ROCK SHOP**

1405 South Long Beach Blvd.  
Ph. 632-9096 Compton, Calif. 90221

## **CREATE JEWELRY!**

**FOR GIFTS, PERSONAL WEAR OR PROFIT!**

**FREE!** 200 PAGE CATALOG SHOWS HOW!

**EASY TO DO, NO SPECIAL SKILLS**

*Earn Big Money in your spare time. Sell your creations for 2 to 5 times what you paid for them. This FREE CATALOG contains everything you need . . . send for hobby-crafts biggest and best catalog. Contains over 10,000 items . . . loaded with pictures — everything you need to get started at once.*

**SEND FOR FREE CATALOG**

**GRIEGER'S Inc.**

Dept. 11, 1633 E. Walnut St.  
Pasadena, California 91105



# The Trading Post Classified Ads

## • ART

**ARTISTS!** Your line art reproduced profitably. Complete instructional material includes 12 attractive usable samples. \$3.00. Novak Printing, Dept. M, 100 West Second, Medford, Oregon 97501.

## • BOOKS - MAGAZINES

**OUT-OF-PRINT** books at lowest prices! You name it—we find it! Western Americana, desert and Indian books a specialty. Send us your wants. No obligation. International Bookfinders, Box 3003-D, Beverly Hills, Calif.

**GOLD HOBBY BOOK.** Plans for famous folding drywasher. Test for unseen gold. Desert dangers to be aware of. \$3.95 plus 30c. Alfrod, P.O. Box 4195, Torrance, Calif. 90510

**"GEMS & MINERALS,"** the monthly guide to gems, minerals, and rock hobby fun. \$4.50 year. Sample 25c. Gems & Minerals, Mentone, Calif. 92359.

**WILD & WOOLLY WEST BOOKS, 30#.** Rails on Narrow Gauge Trains, Yukon Poems, Book of Pancakes, Navajo Weavers & Silversmiths, Wet Plates & Dry Gulches (ghost towns), Simple Methods of Mining Gold, and others. \$1.00 each postpaid, and illustrated. Send stamp for catalog. Filter Press, Box 5D, Palmer Lake, Colorado 80133.

**FOR SALE:** Desert Magazine, November 1937 to date, in good condition, \$200.00. C. J. Martindale, 1292 1/2 N. Catalina, Pasadena, Calif. 91104.

**"OVERLOOKED FORTUNES"** in minerals and gem stones; here are a few of the 300 or more you may be overlooking: uranium, vanadium, tin, tungsten, columbium, tantalum, nickel, cobalt, gold, silver, platinum, iridium, beryllium, emeralds, etc. Some worth \$1 to \$2 a pound, others \$25 to \$200 per ounce; an emerald the size of your thumb may be worth \$1000 or more; learn how to find, identify and cash in on them. New simple system. Send for free copy "Overlooked Fortunes in Minerals," it may lead to knowledge which may make you rich! Duke's Research Laboratory, Box 666-B, Truth or Consequences New Mexico 87901.

**LOST DESERT GOLD,** legendary and geological history of the southern California desert, with photos and maps to pinpoint locations. \$2.50 postpaid. Gedco Publishing Co., Box 67, Bellflower, Calif. 90706.

**"UPPER MOJAVE DESERT,"** first book to reveal route of extinct Tonopah-Tidewater Railroad, original names of present towns and cities, the Borax story, biographies of pioneers. Hardbound. Many priceless photos. Only \$4.95 postpaid from author: Mary O'Conley, Baker, Calif. 92309.

**RIVER OF GOLD,** the richest treasure of them all. A new book "Treasure Travels" contains all new photos, maps and other valuable information on California's most fabulous treasure. \$3 postpaid. Gedco Publishing Co., Box 67, Bellflower, Calif. 90706.

**SURVIVAL BOOKS!** Guerrilla Warfare, Wilderness Living, Medical, Guns, Self Defense, Nature. Books—Vital, Fascinating, Extraordinary; Catalog free. Adobe Hacienda, Route 3, Box 517A, Glendale, Arizona 85301.

**FREE LIST LOW COST** Self-improvement books. Find health, happiness, success. Over 100 books. Write: GerFran, Star Route, Daggett, California 92327.

## • BOOKS - MAGAZINES

**GUIDE TO MEXICO'S** gems and minerals: localities, mines, maps, directions, contacts. English-Spanish glossary, too. \$2.00 postpaid. Gemac, Mentone, Calif. 92359.

**"DEAD MEN DO Tell Tales"** By Lake Erie Schaefer. Facts about Frank Fish's mysterious death, still unexplained. Sequel to "Buried Treasure & Lost Mines" the Treasure Hunters manual. \$3 postpaid. L. Erie Schaefer, 14728 Peyton Drive, Chino, Calif. 91710.

**DESERT MAGAZINES:** first 25 volumes complete with binders, \$140.00. Also available: miscellaneous issues. Hoffman's, Box 402, La Mirada, California 90638.

**FREE 128 page catalog** on detectors, books and maps. General Electronic Detection Co., 16238 Lakewood Blvd., Bellflower, Calif. 90706.

**HISTORY OF THE LOST Rhoades Mines.** First edition. Hardback, 288 pages of factual information on Utah's lost Klondike, maps, photos and illustrations, \$10.00. Add 50c for mailing. Gale R. Rhoades, 1215 Montgomery Street, Salt Lake City, Utah 84104.

## • BUSINESS OPPORTUNITIES

**UNLIMITED INCOME AVAILABLE** with \$3500.00 investment in expanding international organization. Information: C. J. Brown, 5220 Carlingford Ave., Riverside, Calif. 92504. (714) 684-7898.

## • EQUIPMENT

**DRYWASHERS, GOLD PANS,** metal detectors, books, custom Jeep seats, etc. Send for literature. Hoffman's Desert Products, Box 402, La Mirada, California 90638, or see display at 13244 Whittier Blvd., Whittier, Calif.

**AFTER GOLD OR SILVER?** Fire is first. Build a quick and easy test furnace. Plans \$8.00. Vandaveer's, 3003 Tapo, Santa Susana, Calif. 93063.

**SURVIVAL AND EMERGENCY KIT.** Pocket size for all outdoorsmen, contains 20 useful items, \$1.75. MB, Box 87, Pomona, Calif. 91766.

**GOLD DRY Washer plans,** portable hand operated, recover gold from gold diggings, from dry river beds, etc., by air principle. \$2.00. R. Bown, P.O. Box 791, Arcadia, Calif. 91006

**SHELTER IN SECONDS** with unique new Inflatable Tent. No poles required. Write for free details. Hostess Shop, Box 64-D, Boutte, Louisiana 70039.

## • GEMS

**SHAMROCK ROCK SHOP,** 593 West La Cadena Drive. Riverside, California 92501. Parallel to Riverside Freeway. Phone 686-3956. Come in and browse; jewelry mountings, chains, supplies, minerals, slabs, rough material, equipment, black lights, metal detectors, maps, rock and bottle books.

**TEN GOLD NUGGETS** with "California Gold Story," \$2.00; 10 for \$15.00. A Bit of U.S.A., 3131-T North 33rd St., Phoenix, Arizona 85018.

## • HOME STUDY

**STREAMLINED HOME STUDY** Mail Order course, 24 easy lessons, the biggest bargain in mail order history. Only \$2.00. GerFran, Star Route, Daggett, Calif. 92327.

## HOW TO PLACE YOUR AD

★ Mail your copy and first-insertion remittance to: Trading Post, Desert Magazine, Palm Desert, California 92260. Classified rates are 25c per word, \$5 minimum per insertion.

**DEADLINE FOR CLASSIFIED ADS IS 10TH OF SECOND MONTH PRECEDING COVER DATE.**

## • INDIAN GOODS

**FINE RESERVATION-MADE** Navajo, Zuni, Hopi jewelry. Old pawn and Kachina dolls. Navajo rugs, Yei blankets, Chimayo blankets and vests, pottery. Kaibab moccasins. A collector's paradise! Open daily 10 to 5:30, closed Mondays. Buffalo Trading Post, Highway 18, P.O. Box 697, Apple Valley, Calif. 92307.

**APACHE ARROWHEADS,** authentic 1-inch agate, jasper, obsidian, perfect—4 - \$1.00; 25 - \$5.00. University, D1239, Apache Junction, Arizona 85220.

## • MAPS

**OLD MAP KIT.** Reprints of State and Railroad maps, 70-90 years old. Send self-addressed, stamped envelope for details. Specify state. Northern Map Co., 2046 N. Tripp Ave., Dept. DM, Chicago, Ill. 60639.

**FOR RESEARCHERS, ADVENTURERS,** treasure and relic-hunters, we offer these maps: "Road Map to Lost Mines—Buried Treasures of California" folded, \$4.00. "Road Map to California's Pioneer Towns, Ghost Towns and Mining Camps," folded or rolled, \$2.95. Both \$6.50. "Oregon Trail," a decorative pictorial, showing routes and landmarks of 1810-1860. Fine artwork, rolled, \$1.50. California tax 5%. We also offer map-making services to order. Varna Enterprises, Dept. A, P.O. Box 2216, Van Nuys, California 91404.

**OVERVIEW OF MOJAVE Desert Map,** new two color, 22x35 inch map on topo base. Features Ghost Towns, Mining Camps, Historic Trails and Routes, Abandoned Railroads, Indian Sites, Geology and Special Back Country to Explore. Price: \$3.00 folded, \$3.25 rolled. Desert Enterprises, Box 286-D, Ontario, Calif. 91761.

## • MINING

**ASSAYS. COMPLETE,** accurate, guaranteed. Highest quality spectrographic. Only \$5.00 per sample. Reed Engineering, Box 121, Wrightwood, California 92397.

**MONEY, ADVENTURE** sightseeing, share in all our profits by exciting spare time prospecting. Expense tax deductible. Current Exploration, Box 574, Gallup, New Mexico 87301.

## • OLD COINS, STAMPS

**CHOICE UNCIRCULATED SILVER DOLLARS:** 1880-81 S Mint; 1883-4-5; 1898-99-1900-01-02-04 O Mint, \$5.00 each. The lot \$50.00. Illustrated catalogue 50c. Shultz, Salt Lake City, Utah 84110.

## • REAL ESTATE

**GOVERNMENT LANDS . . . low as \$1.00 acre!** Million acres! For exclusive "Government Land Buyer's Guide" plus "Land Opportunity Review" listing lands available throughout U.S., send \$1.00. Satisfaction guaranteed. United Lands, Box 19107-RH, Washington D.C. 20005.

**HIDDEN DESERT Valley,** Borrego Springs, Calif. Lots, Acreage. Utilities, schools, churches. Agent, Call 714 986-3214. Open to 10 p.m., seven days.



## • REAL ESTATE

**SOUTHERN UTAH.** Invest now in Color-Country paradise. Bloomington Country Club lots, Kolob lots, ranches, farms, commercial, mobile home lots. Frank Pierce, Realty. Licensed Broker Utah and California. P.O. Box 12, St. George, Utah 84770. "Across from Dick's Cafe." (801) 673-5000.

**GOVERNMENT LANDS:** Low as \$1 acre. Millions acres! For exclusive "Copyrighted Report" plus "Land Opportunity Digest" listing lands throughout U.S.; and valuable 17x22" Treasure Map of U. S., send \$1.00. Land Disposal, Box 9091-DE, Washington, D.C. 20003. Satisfaction Guaranteed.

**LAND! EASY TERMS** less than bank rates. Northwest Timbered Acreages as low as \$1550 total price. 5-10-20-40 acres. For people who love the land—a tract of Recreation Land to have for your very own! In Northern Idaho, Northeastern Washington and beautiful Montana. In the heart of lakes and big game country. All covered with growing timber. Access and Title insurance with each tract. This is select land with natural beauty, recreational and investment values. Plan for the future and retirement recreation. We have tracts of many types and sizes from which to choose, including beautiful Northwest Waterfront property. Your inspection is welcomed. Write us for free list, maps and complete information. Write to: Dept 3C, Re-forestation, Inc., P.O. Box 14006, Opportunity Station, Spokane, Wash. 92214.

## • SALESMAN WANTED

**ACTIVE CONSTRUCTION COMPANY** in San Bernardino Mountains has opening for construction salesman. Sales experience desired, but not necessary. Real Estate license not required. Chuck Bryars, Box 350, Big Bear Lake, California 92315.

## • TREASURE FINDERS

**GOLD, SILVER, RELICS!** Located with powerful Detecron Metal Detectors. Free information. Terms. Detecron, Dept. D-8, Box 243, San Gabriel, Calif. 91778.

**GOLDAK Treasure Locators**—Pleasure and profit in a hobby you'll enjoy. Find coins, relics, gold, silver. Charge on BankAmericard. Goldak, Dept. DM, 1101-A Airway, Glendale, California 91201.

**GHOST TOWN EXPLORERS:** Over 400 Mother Lode locations in "California Pioneer Towns," \$2.50 postpaid. Goldbug, Box 588-D, Alamo, Calif. 94507.

**POWERFUL METROTECH** locators detect gold, silver, coins, relics. Moneyback guarantee. Terms free information. Underground Explorations, Dept. 3A, Box 793, Menlo Park, Calif. 94025.

**FIND BURIED TREASURE** with revolutionary patented, analytical metal detector. Features push button and automatic tuning, negligible ground pickup, greatest range. Free catalogue. Gardiner Electronics Co., Dept. 51, 4729 N. 7th Ave., Phoenix, Arizona 85013.

**FISHER DETECTORS** has something new! Free literature. Fisher Research, Dept. D8, Palo Alto, Calif. 94303.

**TREASURE-METAL** and mineral locators. Free 24 page booklet. GeoFinder Co., Box 37, Lakewood, Calif. 90714.

**METAL LOCATORS:** White's, Goldak, Detecron, Metrotech, Precision, Excelsior, Fisher. Free catalog. Aurora Prospector Supply, 6286 Beach Blvd., Buena Park, Calif. 90620 (714) 521-6321.

**FREE 128 page catalog** on detectors, books and maps. General Electronic Detection Co., 16238 Lakewood Blvd., Bellflower, Calif 90706.

## • MISCELLANEOUS

**1000 ATTRACTIVE RETURN** address labels \$1.00. Name, address—four lines. The Fare Oaks Company, Department D62, Box 802, Champaign, Illinois 61820.

**POLISHED BRASS** cannon shell (20 mm.) with projectile. Inoperable. Send \$4.95 to Desert Oddities, P.O. Box 564, Sierra Madre, Calif. 91024.

**EXTRA INCOME**—MAKE \$1.00 per sale selling engraved metal Social Security plates. Free sales kit. Engravaplates, Box 10460—5902, Jacksonville, Florida 32207.

## • MISCELLANEOUS

**GUMMED NAME AND** address labels: 1000—\$1, 3000—\$2.25. Two week delivery. C. Friday, 4705 Adam Road, Santa Susana, Calif. 93063.

**"GARAGE BONANZA"**—Finally it's here! A detailed form on "How To Have A Successful Garage Sale." Learn how to turn your "garage treasures" into quick cash. Send only \$1.00 to: Garage Bonanza, 4625 East Anaheim, Long Beach, Calif. 90804.

# Hurry! Only a few left! Back Issues

Assorted back issues of DESERT Magazine  
from 1950 through 1959

## \$4.00 for 12 issues

This offer is limited to the supply on hand

Send check or money order to  
DEPT. 5, DESERT MAGAZINE  
Palm Desert, California 92260

# Desert

## SUBSCRIPTION FORM

PALM DESERT, CALIFORNIA 92260

8-71

☐ ENTER A NEW SUBSCRIPTION

☐ RENEW MY PRESENT SUBSCRIPTION

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

ZIP CODE \_\_\_\_\_

☐ SEND GIFT SUBSCRIPTION TO:

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

Sign Gift Card: "From \_\_\_\_\_"

One Year \$5.00

Two Years \$9.50

Three Years \$13.00

(Or 2 One Years)

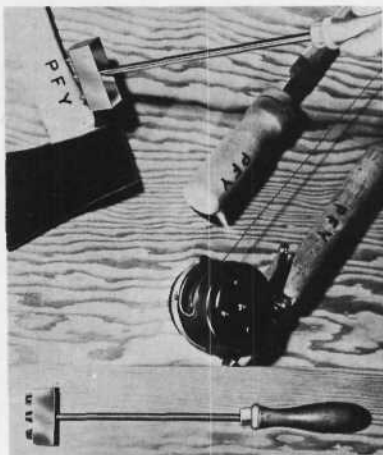
(Or Three One Years)

☐ PAYMENT ENCLOSED

☐ BILL ME LATER

☐ ALSO SEND DESERT'S 12-ISSUE HANDSOME BROWN VINYL BINDER FOR \$3.50  
(includes tax and postage)

Date Binder(s) with Year(s) \_\_\_\_\_ ☐ Undated



### Miniature Branding Irons

Miniature Branding Irons are custom-made of heavy solid bronze with integral cast letters and designs. Company states they can be used to mark most anything made of wood, leather, cork, plastic, rubber and heavy cloth. Brander is 12 inches long with hardwood handle and bronze-plated shaft. Letters are 3/8" high, designs are 1 1/2" across. Prices are \$4.50 and \$7.50.

For information write to The Hostess Shop, P. O. Box 64, Dept. DM, Boutte, Louisiana 90039.

# Desert Shopper

## New and interesting products

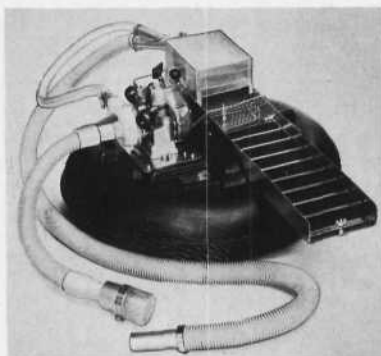
Items appearing in this column are not paid advertisements



### Autoergency Safety Kit

This compact safety kit contains the basic materials needed for an emergency either on the highway or in the back country. The kit contains battery booster cables, instant tire repair, reusable flare, flashlight with batteries, first aid supplies, fluorescent distress flag, two screwdrivers, reflective tape, fuse assortment, hand towels and accident check list. It retails for \$9.95.

Write to America House, Dept. DM, 311 McIntosh, Corapolis, Penn. 15108.



### Lightweight Gold Dredge

A California engineering company has developed a new gold dredge for the weekend prospector. The unit features a 1 1/2-inch suction hose, one horsepower, two-cycle engine and high velocity pump. Manufacturer states up to one cubic yard of gravel per hour can be processed. Complete unit weighs 25 pounds and is priced at \$164.90.

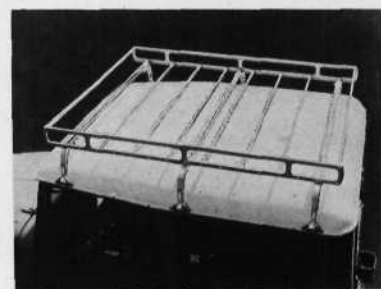
For information write Keene Engineering, Inc., Dept. DM, 11483 Vanowen Street, North Hollywood, Calif. 91605.



### Fire Extinguisher

This inexpensive and simple to operate fire extinguisher has plastic bellows and contains dry chemicals. Manufacturer states it never needs recharging and has a life-time written warranty. Comes with mounting bracket. Chemicals are non-toxic, safe and harmless. Can be used on wood, rubbish, oil, grease and electrical flames. Twelve-inch size is \$3.98 and 16-inch size is \$4.98. Refills are \$1.50 each.

Write The Clyde Company, Dept. DM, 5616 Dearborn, Mission, Kansas 66202.



### 4WD Roof Rack

New roof rack made of galvanized steel will carry over 1,000 pounds of camping gear or luggage. Requires no holes to be drilled and can be mounted with three bulldog clamps on each side in 60 seconds. Measures 55" wide and 71" long. Fits 4WD Toyotas, Broncos, hard-top Jeeps, Datsuns, Land Rovers and vans and buses.

Sold exclusively for \$44.95 by Dick Cepek, Inc., Dept. DM, 9201 California Avenue, South Gate, Calif. 90280.



# Letters to the Editor

Letters requesting answers must include stamped self-addressed envelope.



## Wrong Bar . . .

Arizona's Lake Alamo in the June issue is very interesting. But may I take exception to the description of the only structure presently standing at Signal? The caption for the photograph of the building states "once a boisterous meeting place, the Signal Bar is now quiet." Many years ago I tramped that area and talked to old-timers who said the building was a general store. When I visited it, it was complete with a front porch and the words "Signal Bar" have been painted on the front during the past 20 years.

FRANK STEINWACHS,  
Lancaster, California.

## Peeples Valley . . .

The story of *Cachie's Last Secret* in the January '71 issue is very interesting. However, "People's" Valley is not spelled correctly. It is spelled Peeples Valley, named after Abraham Peeples, who, along with famous explorer, Pauline Weaver, discovered the valley in 1863.

Our community of Yarnell was named after Harrison Yarnell, another prospector, who discovered the area in 1893. Edward Genung, the last son of Charles Genung, passed away about five years ago. The Wranglerettes, a local womans' club here, raised money and purchased three acres of the Genung Homestead which is now a cemetery named Genung Memorial Park.

MRS. ROBERT H. JEWELL,  
Yarnell, Arizona.

*Editor's Note: For an interesting free brochure on Yarnell and Peeples Valley, send a self-addressed stamped envelope to Yarnell-Peeples Valley Chamber of Commerce, Yarnell, Arizona 85362.*

## Out of Context . . .

You claim to promote conservation and wild-life preservation. Do you mean UNLESS you can sell your "convictions" for profit? In your May issue an advertisement of the Escalante (Utah) Chamber of Commerce offers "all-year hunting of mountain lion and predators." For shame! Dare you print this letter and admit your fault?

MR. & MRS. J. M. THOMASON,  
New York, New York.

*Editor's Note: Certainly we'll print the letter, but not admit our "fault." The Thomasons also stated in their letter mountain lions are an "endangered species." They may be in certain areas in the United States, but not in Utah, otherwise they would be legally protected. It should also be noted the Escalante full-page ad features fishing, hiking, scenic drives, etc., and devotes only one line to hunting. Desert Magazine refuses advertisements strictly on hunting and turns down many other advertisements which conflict with our editorial policy. We do not run articles on hunting or preying on animals. We hunt only with our cameras. We are one of the few magazines in the country with this policy—and we are proud of it.*

## Down Baja Way . . .

Who is Desert Magazine and George Reiger trying to confuse in the June issue with the article *Baja's Barely Beaten Byways*? The truth of the matter is there is a Hertz car rental office in La Paz with late model cars in excellent condition and they accept most major credit cards.

The road from La Paz to Cabo San Lucas via Todos Santos is graded gravel and regularly maintained, and the road from San Jose del Cabo to La Paz is modern blacktop. You can drive a passenger car all the way from La Paz north to Santa Rosalia on paved and good graded gravel roads.

There are lots of us "Baja Buffs" who are always happy to see you publish your articles about Baja—but please, a little more credibility!

JACK HORNBEAK,  
Newport Beach, California.

I am a 90-pound weakling, a middle-aged housewife. My husband is tall and slender. We both lead rather sedentary lives. Relative to the article on Baja in the June issue, in March we drove down the west coast of Baja to El Rosario, across the mountains to Bahia de Los Angeles and then all the way down the peninsula and all around the cape. We took over 1200 pictures.

Mr. Reiger could have rented a better car than the old taxi if he had any native wit. We were dismayed at the excellence of roads, knowing they would bring in more dudes. They obviously did. Someday Mr. Reiger will go and really see Baja.

PATRICIA CARPENTER,  
Reno, Nevada.

## Mr. Pegleg:

### YOU BEAT ME THERE!

Now I need two of your largest and best original black nuggets, preferably showing micro-crystal faces.

At your reasonable price and arrangements.

Southworth  
c/o Desert Magazine

*Editor's Note: George Reiger could have rented a Hertz car, but as a writer, he wanted to have a different experience. Mr. Hornbeak and Mrs. Carpenter saw Baja in one way, Reiger in another. As he said at the end of his article, "we'll probably do our next trip in Mexico in something more sophisticated than an ancient Ford sedan. But we wonder if our memories will be as rich."*

## Barr, Glonk, Blat . . .

Brrp brrp brrp pop pop popop barr glonk blat. I hope you can hear me above the noise of some nearby motorcycles.

In his letter in the July issue, Ward Crumie states his belief that one rainstorm or one sandstorm will do more damage than a million bikes. I cannot follow his logic: Mother Nature has been spreading rain and dust storms over the desert for millions of years—and they contribute to the beauty of the deserts. His logic would have had the lands self-destruct long, long ago.

He states further the tracks of wheeled vehicles (motorcycles) are quickly erased by nature. He should do a bit of flying. He will find unhealed wheel-track scars all the way from abandoned townships, WW II Army Camps, even back to Grey Mesa, Utah, near the junction of the San Juan and Colorado Rivers, where tracks of the Mormon pioneers' wagons are still plain to see.

I too, have spent a long time afoot, in the western desert. Let me quote from my letter of May 31, 1971, to Mr. Harrison Loesch, Assistant Secretary for Public Land Management, Washington, D.C.:

"I suffered Christmas Eve at my house in the desert, and perhaps you can imagine a rendition of the carol 'Silent Night' with an obbligato by motorcycles 'brrp brrp brrp pop pop pop'—to well after 2 A.M. I tried again at Easter, so as to be able to go to the Sunrise Service, but when at 2:20 A.M., the roaring up and down—completely needless noise—had not quit, I did. I packed up and came back to El Centro. This is Memorial Day, a day which means much to me—and I am home here in El Centro, wondering where to go to retire."

The desert house is for sale.

Those who pioneered the desert sought, amongst other things, quiet. And inasmuch as noise is a physical disturbance of the air surrounding them, it is my contention that no one person has the right to disturb the surroundings of another to his distress.

As regards the views of Mr. C. E. Rakes, with whom I am in complete agreement, may I quote from my letter of March 24, 1971 to Mr. Jack Hesemeyer, Park Supervisor, Anza-Borrego Desert State Park:

"Re Desert Magazine's article on the Carizo Impact area (April '71), perhaps the Navy is doing a better job than it knows in protecting this once fair and unsullied land—from its enemies within—keeping it free of clutter, clatter, noise and trash—shielded from the 'Weekenders Pox.'"

NOEL KIRK,  
El Centro, California.

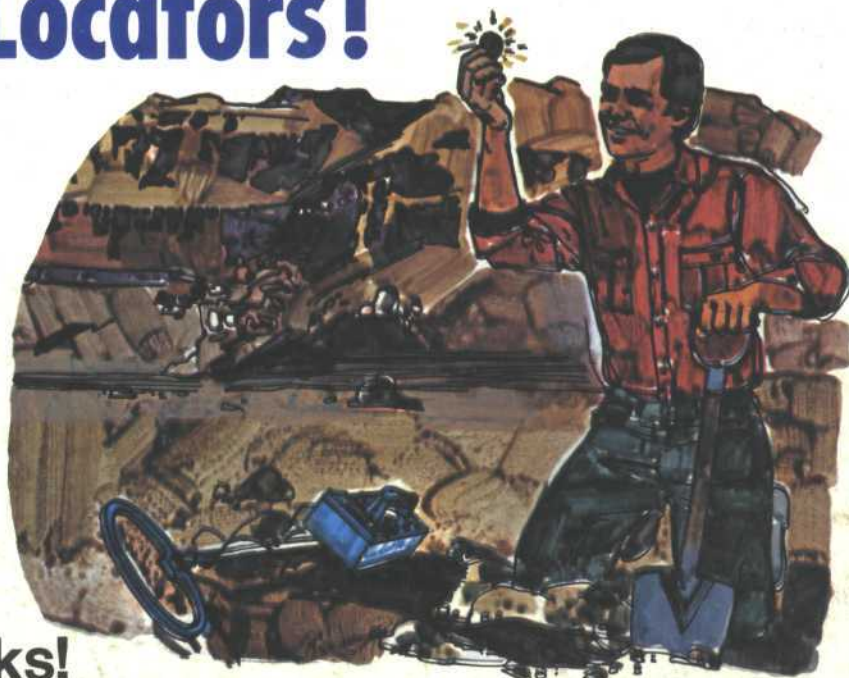


# A Complete Line of Metal Locators by **Jelco**<sup>®</sup> the Leading Manufacturer of Metal Locators!

**America's fastest  
growing Hobby!**  
**Fun for the whole family!**

## DISCOVERS!

- Relics • Riches • Coins
- Gold • Silver • Metals
- Powerful & Sensitive-  
locates through wood,  
water, sand, dirt and rocks!



## LOOK AT THESE FEATURES!

- Solid State Circuitry (All Transistor) —  
Made in USA
- Lightweight — perfect balance
- Waterproof Searchloops
- Adjustable Aluminum stems
- Big 5 Year Warranty
- Detailed Instructions
- Shipped with fresh Batteries

**FREE!** A 60 Page Book  
"101 Treasure Sites"...  
with every locator!

Send for a FREE COLOR CATALOG of JETCO  
Treasure Finders, Fish Locators, Depth Finders,  
Dog Trainers... ORDER TODAY!

**BUY JETCO... IT'S THE BEST!**

**Jelco**<sup>®</sup>  
JETCO ELECTRONIC INDUSTRIES, INC.  
P. O. BOX 132, HUNTSVILLE, TEXAS 77340



**The Mustang<sup>®</sup>**  
**\$39<sup>95</sup>**

Economy &  
accuracy too!  
Performance plus  
dependability



**GTO  
Searchmaster<sup>®</sup>**  
**\$69<sup>95</sup>**

Easy to operate!  
10 transistors



**GTX  
Huntmaster<sup>®</sup>**  
**\$99<sup>95</sup>**

Precision tuning  
plus 11 transistors.



**Treasure Hawk<sup>®</sup>**  
**\$129<sup>95</sup>**

16 Transistors  
The most powerful  
& super sensitive  
locator available!

RUSH ME A ☐ MUSTANG — \$39.95 + \$1.50 Postage ☐ GTO SEARCH-  
MASTER — \$69.95 + \$2.00 Postage ☐ GTX HUNTMASTER — \$99.95 +  
\$2.00 Postage ☐ TREASURE HAWK — \$129.95 + \$2.00 Postage. (Enclose  
Check or Money Order) ALL UNITS IN STOCK • IMMEDIATE SHIPMENT.  
JETCO ELECTRONIC INDUSTRIES, INC., P. O. BOX 132, HUNTSVILLE,  
TEXAS 77340.

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

ZIP \_\_\_\_\_

DM